GENERAL CATALOG

CIRCULAR CONNECTORS CVS - CVB

For Industrial applications

Radiall

VanSystem

VanSystem

About Us

Radiall

Radiall has been enabling technology and innovation through collaboration with customers since 1952.

This has resulted in a range of innovative and award-winning products that customers trust for unrivaled repeatability and performance. Radiall's success is built on strong customer relationships and quality components, which have been established since its foundation.

With a focus on simplification and innovation, Radiall has become an industry leader in providing innovative solutions to customers. From connectors to in-house technologies, Radiall's commitment to collaboration and innovation has made it a trusted partner for customers looking to build the future.

VanSystem

The VanSystem brand in the Radiall world distinguishes "heavy duty" connectors for railways and industrial applications.

The name origin is related to VanSystem, an Italian company founded in Milan in 1985 and specialized in the design and production of industrial connectors.

During 30 years of activity the company has gained a strong market position by developing interconnection solutions compliant with the SAE AS 50151 (ex MIL-DTL-5015) standard and tailor-made connectors for the railway, machine tools, automation, construction sites, power supply, extractive industries markets.

In 2015 Radiall SA took over the company; Radiall Italia was born in 2021, from the merger between VanSystem srl and Radiall Elettronica srl.

Radiall Italia S.r.l. Quality System is qualified according ISO 9001:2015 and ISO 22163:2023 (IRIS)

IRIS Certification

QUALITY SYSTEM CERTIFICATION ISO 9001 DNV

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Find your connector in 4 steps!

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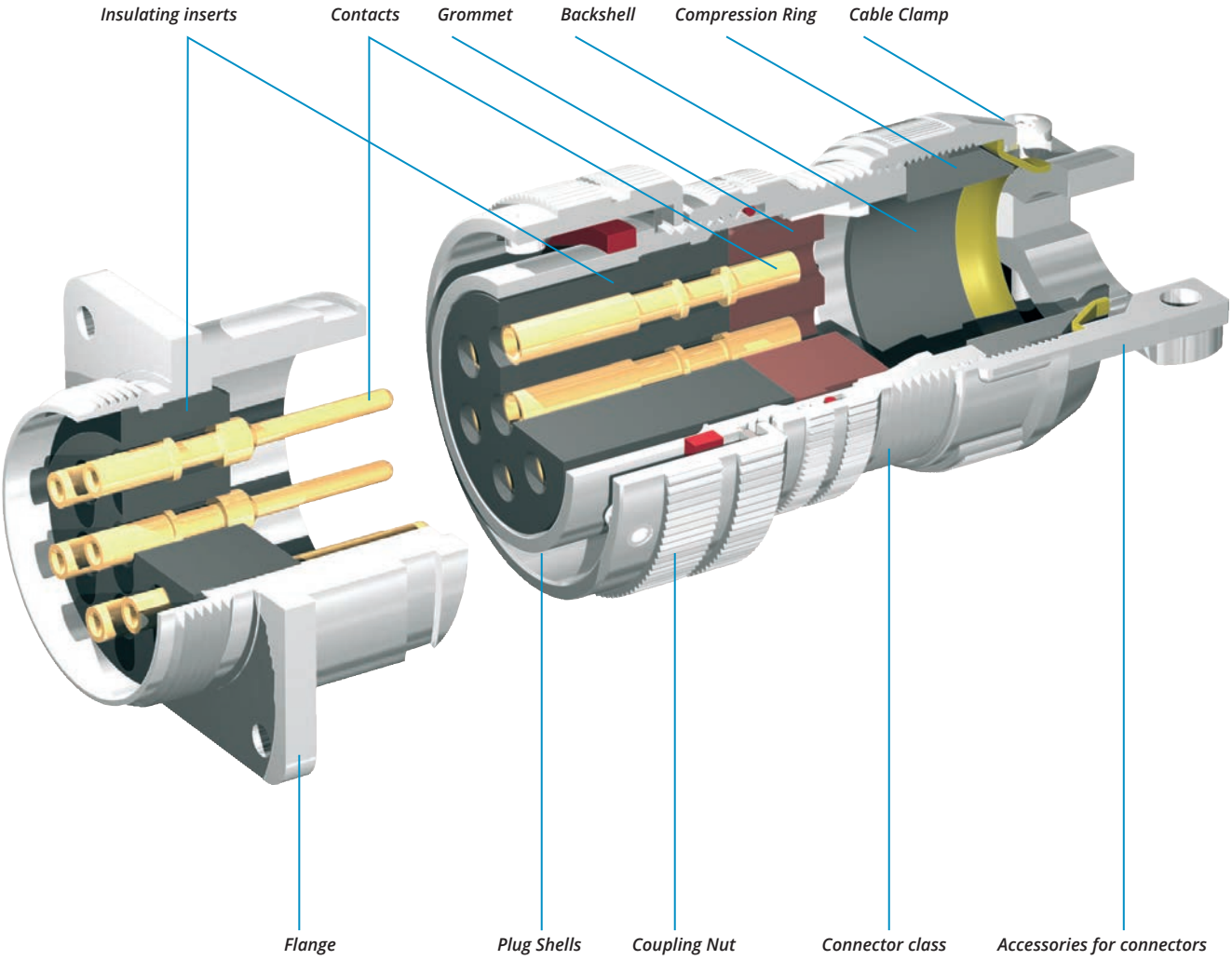
Part number explanation



Part number explanation

P/N Sample: RF CVS 303 00DAT 20-27SX PG16 CR CD5 F7 G N101

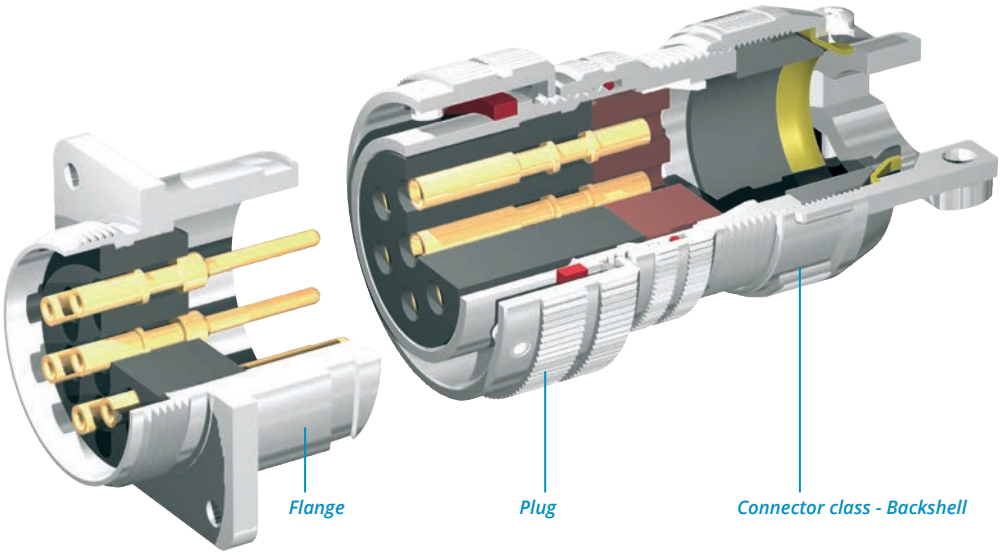
RF	CVS	303	00	DA	T	20-27	S	X	PG16	CR	CD5	F7	G	N101

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber (Aggressive environments)
		S	Silicone rubber (-55°C ÷ 200°C)
		RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
CVS	**Series Code**	CVS	Threaded Connector
		CVB	Bayonet Connector
		CVBS	Bayonet Connector with protected mating ramps
		CVBSG	Bayonet Connector with external insulated coating
		CVBR	Bayonet Connector roller studs - for harsh applications
		GVJ	Oversize Bayonet Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel 303 (CVS - CVB)
		316	Stainless Steel 316L (CVB)
00	**Shell Type**	xx	Flange/Plug Shell with ramp/threaded or with nut
DA	**Connector Class**	xx	With backshell /Cable clamp
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes (to specify for 00/02/05 shell only)
		FP	Receptacle connector with through holes (to specify for 03 shell only)
		FS	Receptacle connector with countersunk holes
		GG	Rubber covered nut (CVBS and CVBR version only)
		V	Insert and contacts sealed (solder only)
20-27	**Insert Arrangement**	xx-xx	Size - Arrangement
S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****	-	No rotation
		W,X,Y,Z,Q	Rotation
PG16	**Backshell Conduits size or internal thread**	-	Without internal thread
		xx	Conduits size or internal thread
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
		DS	PCB contacts
		CLT*	Longer contacts for grounding solder termination (CLT CR with crimp contacts)
		LT*	Grounding contact connected to the shell (LT CR with crimp contacts)
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
		CD15	Gold plating heavy
F7	**Shell finishes**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*RoHS compliance)*
		F7	Black epoxy varnish (*RoHS compliance)*
		F16	CCF - Black passivation - conductive (*RoHS compliance)*
		F26	Black Hard Anodization (*RoHS compliance)*
		F30	colorless passivation for stainless steel (*RoHS compliance)*
G	**Panel Gasket**	-	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket
N101	**Modification Code****	Nxx	Contacts and hole plugs (Consult our sales office)
		Sxx	Customization (Consult our sales office)

*** If required*

** Consult our sales office*

Part number explanation - Shell type



FF	FP	FS		Flange - Shell Type with ramp or threaded
●	○	●	**Shell 00**	Front mounting receptacle connector able to accept rear accessories (ordered with accessories)
●	○	●	**Shell 020**	Front mounting receptacle connector able to accept rear accessories (ordered without accessories)
●	○	●	**Shell 02**	Front mounting receptacle connector unable to accept rear accessories (standard version)
●	○	●	**Shell 02A**	Front mounting receptacle connector non enviromental (equivalent MS3102A threaded version or MS3102A..B bayonet version)
●	○	●	**Shell 02R**	Front mounting receptacle connector enviromental seal (unable to accept rear accessories)
○	●	●	**Shell 03**	Rear mounting receptacle connector unable to accept rear accessories
○	●	●	**Shell 03A**	Rear mounting receptacle connector non enviromental (equivalent MS3103A threaded version or MS3103A..B bayonet version)
○	●	●	**Shell 03R**	Rear mounting receptacle connector enviromental seal (unable to accept rear accessories)
○	●	●	**Shell 030**	Rear mounting receptacle connector with thread to accept backshells
○	●	●	**Shell 038**	Rear mounting receptacle connector with thread to accept backshells, with 90° elbow
-	-	-	**Shell 07**	Rear mounting Jam Nut receptacle connector unable to accept rear accessories. Mounting is made by a front fixing-nut
-	-	-	**Shell 07R**	Rear mounting Jam Nut receptacle connector enviromental seal, unable to accept rear accessories. Mounting is made by a front fixing-nut
-	-	-	**Shell 070**	Rear mounting Jam Nut receptacle connector with thread to accept backshells. Mounting is made by a hexagonal fixing-nut
-	-	-	**Shell 078**	Rear mounting Jam Nut receptacle connector with thread to accept back shells with 90° elbow. Mounting is made by a hexagonal fixing-nut
-	-	-	**Shell 01**	In-line receptacle able to accept rear accessories.
○	●	●	**Shell TB**	Through-Bulkhead connector
●	○	●	**Shell 05**	Dummy receptacle connector

○ *Standard version* ● *On request* *FF = threaded holes* *FP = through holes* *FS = countersunk holes*

9	1	GG		Plug - Shell Type with coupling nut
		○	**Shell 06**	Plug connector, for straight backshell
	○		**Shell 61**	Plug connector, for straight backshell, coupling nut rubber covered (short version)
○		○	**Shell 96**	Plug connector, provided with grounding finger - with straight backshell
		○	**Shell 08**	Plug connector, with 90° elbow
	○		**Shell 81**	Plug connector, with 90° elbow, coupling nut rubber covered (short version)
○		○	**Shell 98**	Plug connector, with 90° elbow, with grounding finger
		○	**Shell 26**	Front mounting receptacle connector
			Shell 65	Plug connector, for straight backshell with heavy duty coupling nut
○			**Shell 965**	Plug connector, provided with grounding finger - with straight backshell and heavy duty coupling nut
			Shell 265	Front mounting receptacle connector with heavy duty coupling nut
○	○		**Shell 961**	Plug connector, provided with grounding finger - with straight backshell, coupling nut rubber covered (short version)
○	○		**Shell 981**	Plug connector, provided with grounding finger - with 90° elbow, coupling nut rubber covered (short version)

○ *Avalaible* *9 = with grounding finger* *1 = rubber covered coupling nut, short version* *GG = could be supplied with rubber covered coupling nut*

Part number explanation - Connector Class - backshell

1. **Without O-ring and Grommet (non-watertight)**
2. **With waterproof O-ring**
3. **With waterproof O-ring and Grommet**

CVS	CVB	CVBS	CVBSG	CVBR	GVJ	1	2	3	Connector Class - backshell
●	●	●	-	●	●	A	DA	RA	Backshell having an external thread suitable for MS3057...A or C type cable-clamps
●	●	●	-	●	-	LA	LDA	LRA	Long backshell having an external thread suitable for MS3057...A or C type cable-clamps
●	●	●	-	●	-		AF	F	With backshell, MS 3057...A type cable-clamps and bushing MS 3420 (for single wire)
●	●	●	-	●	-		LAF	LF	With long backshell, MS 3057...A type cable-clamps and bushing MS 3420 (for single wire)
●	●	●	-	●	●		AC	ACF	With backshell and MS 3057...C type cable-clamps (for jacketed cable)
●	●	●	-	●	-		ACB	ACFB	With backshell, MS 3057...C type cable-clamps and bushing MS 3420A (for jacketed cable)
●	●	●	-	●	-		LAC	LACF	With long backshell and MS 3057...C type cable-clamps (for jacketed cable)
●	●	●	-	●	-		AB	ABF	With backshell and MS 3057...B type cable-clamps (for jacketed cable)
●	●	●	-	●	-	AS		ASF	With backshell and MS 3057...A type cable-clamps (for single wire)
●	●	●	●	●	●		DA..PG	RA..PG	With an internal PG thread
●	●	●	●	●	●		DA..M	RA..M	With an internal Metric thread
●	●	●	-	●	●		DA..PH	RA..PH	With a PG thread metal cable glands
●	●	●	-	●	●		DA..MH	RA..MH	With a Metric thread metal cable glands
●	●	●	●	●	-		DA..FS	RA..FS	With a special adapter for UNI4883 rubber conduits
●	●	●	●	●	-		DA..MTG	RA..MTG	With a special adapter for UNI4883 rubber conduits, with nut
-	-	-	●	-	-		DAM	RAM	With rubber coated backshell and strain relief (CVBSG series only)
●	●	●	-	●	-	AR		R	Suitable to connect single wires (when strain relief is not necessary)
●	●	●	-	●	-		AG	G	Suitable for heat shrink tubing applications
●	●	●	-	●	-		AG2	G2	Suitable for heat shrink tubing applications, with nut
●	●	●	-	●	-		ASB1	SB1	Backshell for multicore jacketed shielded cables, provided with MS 3057...C type cable-clamps (for jacketed cable)
●	●	●	-	●	-		AGV	GV	With backshell for shield hose and heat shrink tubing termination
●	●	●	-	●	-			SB	With backshell for shield hose and heat shrink tubing termination, with nut
●	●	●	●	●	-		AMK	MK	With gasket and an iris spring connected to one another by an internal ring. The iris spring is used to connect multicore jacketed cables or jacketed hoses
●	●	●	●	●	-		AWN	WN	With gasket and an iris spring connected to one another, to guarantee an excellent mechanical strain relief and water tightness
●	●	●	-	●	-		FA	FM	With backshell, MS 3057...A type cable-clamps and front gasket (for single wire)
●	●	●	-	●	-		P		Backshell for potting
●	●	●	-	●	-		AST	ST	Backshell with internal cable retention system (on request ST1/ST2 with clamps for cable diameter reduction) with an external unef thread
●	●	●	-	●	-		AST..M	ST..M	Backshell with internal cable retention system (on request ST1/ST2 with clamps for cable diameter reduction) with an internal Metric thread
●	●	●	-	●	-		AST..FS	ST..FS	Backshell with internal cable retention system (on request ST1/ST2 with clamps for cable diameter reduction) with a special adapter for UNI4883 rubber conduits
-	●	●	-	●	-		DA..PHM	RA..PHM	With quick-assembly strain relief.
-	●	●	-	●	-		DA..PHM..E	RA..PHM..E	With quick-assembly strain relief and device for connecting a shielded braid to connector shell.

● *Avalaible* ● *On request*

General Characteristics

INSERTS

VanSystem is able to offer connectors with insulators suitable for low or high voltage with layout from 1 to 201 contacts.

They are manufactured with the following compound:

- Chloroprene rubber
- Fluoride rubber
- Silicone rubber
- Fire resistant rubber
- Thermoplastic

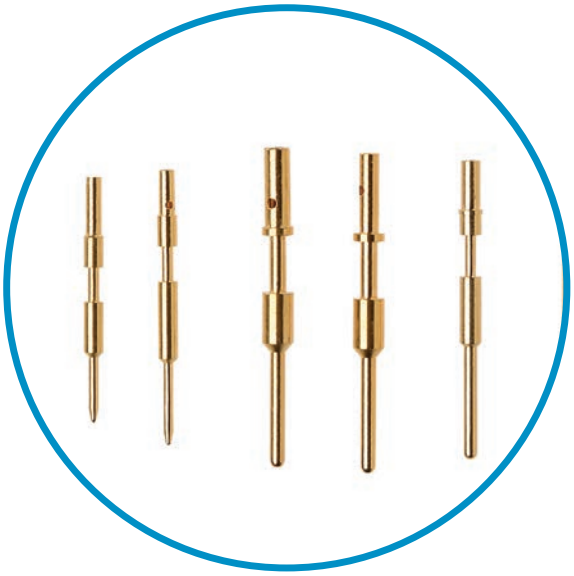
The inserts could be supplied with materials in accordance with the fire reaction requirements (EN 45545-2 and NFPA 130).

SHELLS

Available in several versions suitable for all applications and manufactured in different materials and finishes:

- Aluminum alloy with different types of protection finishes according to RoHS directives.
- Stainless steel, brass nickel plated and other materials to be chosen according to the application
- Coupling nut threaded or bayonet version

The bayonet connectors are derived from the threaded series to provide faster coupling and anti-vibration resistance.
In the CVB, CVBS and CVBR series the coupling system is composed of 3 bayonet ramps machined on the external side of the receptacle connector and 3 stainless steel studs mounted inside the plug connector's coupling nut.



CONTACTS

Available in solder or crimp contacts, terminations for wave soldering or printed circuit board, machined from copper alloys and finished with gold or silver platings.

All contacts are manufactured in order to guarantee optimum connection properties and to provide resistance to vibration and continuous mating and unmating cycles.

Contacts for particular applications, alternative termination types and with special finishes are available to suit specific requirements.

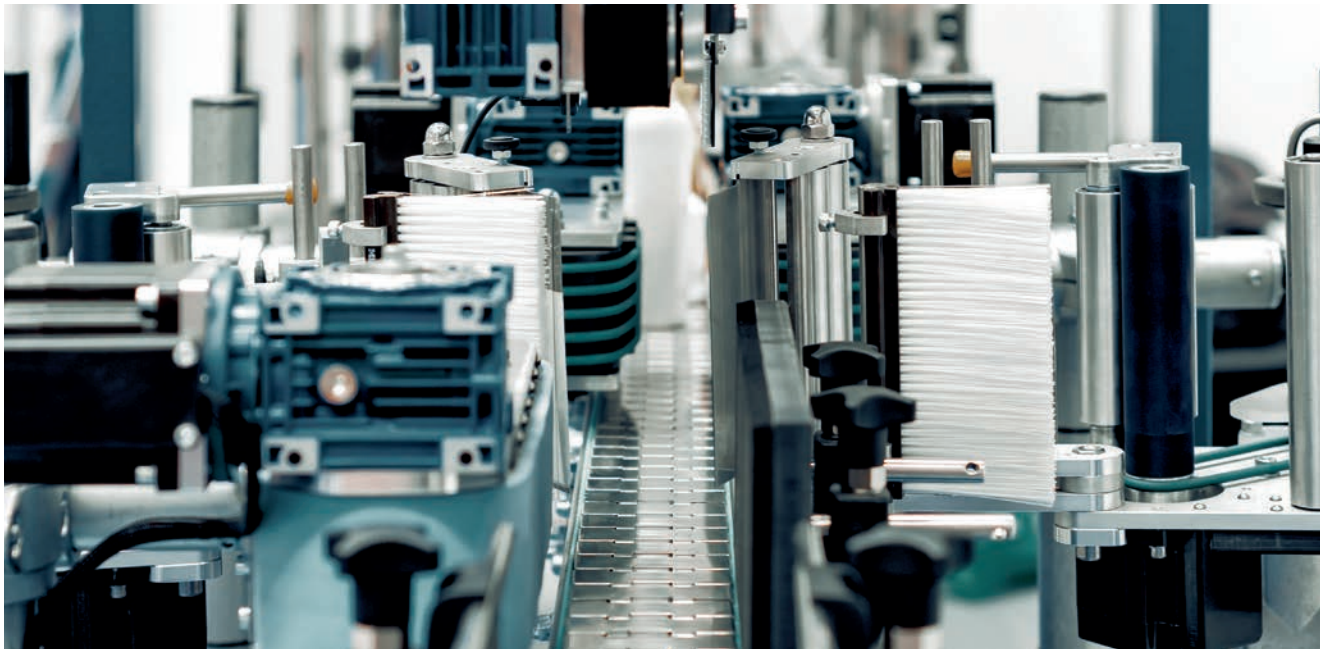
CVS - General Characteristics

THREADED CIRCULAR CONNECTORS

This series is according to SAE AS 50151 (ex MIL-DTL-5015) specification, which concerns the electrical connectors usually called “MS”. These connectors were designed for aviation applications and they has been used for many industrial applications thanks to their versatility, reliability and ease of supply.

MAIN Characteristics:

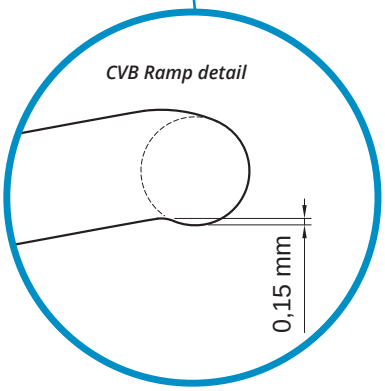
- Used in industrial applications thanks to their versatility
- 12 different shell sizes with a wide range of back shells and strain relief options for any cable requirement
- Insulating inserts and grommets are manufactured with synthetic, highly insulated, rubber compounds
- Contacts available in crimp, solder and PCB terminal



CVB - General Characteristics

BAYONET CIRCULAR CONNECTORS

This is the basic series. The front seal has a double function: it is used to supply the elastic return during the coupling and to guarantee waterproof protection.The locking is obtained by a ramp end drop of 0.15 mm.
The series is compatible with all connectors in accordance with VG95234 specification.



Main characteristics:

- Coupling-nut rotation of 120° only to mate connectors
- Audible, visible and tactile mating
- Interfacial seal between the two halves of the connector
- The bayonet ramps are resistant to damage

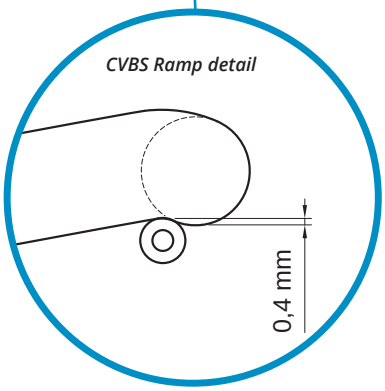
Advantages against the threaded version:

- Fast coupling and uncoupling
- The security of coupling is guaranteed and therefore its reliability is improved
- Resistance to loosening of the coupling nut also in vibration or impact condition
- IP67 waterproof protection when connectors are mated
- High number of mating cycles

CVBS - General Characteristics

BAYONET CONNECTORS PROTECTED BY A STAINLESS STEEL STUD

This series, deriving from SAE AS 50151 (ex MIL-DTL-5015) and VG95234 specs, has become a popular standard among railway connection applications.
Its success is mainly due to the bayonet coupling system composed of three ramps machined on the external side of the receptacle connector and 3 stainless steel studs mounted inside the plug connector's coupling nut.
The coupling point at the end of the ramp is protected by a stainless steel roller able to increase the number of mating cycles.



Main characteristics:

- Fast and reliable coupling (coupling-nut rotation of 120° only and mating is audible, visible and tactile)
- Vibration and impact resistance
- Manufactured in several shell versions as panel connectors (with front or rear mounting) or plug connectors (with straight backshell or 90°) and a wide range of insulators (with combination of different size contacts) from 1 to 201 poles
- Accessories for all types of cables and shielding protection hoses are also available
- Crimp contacts are suitable for wires of all sectionsì

Advantages:

- Faster coupling, continuous and reliable service in the harshest use conditions
- Wave washer installed under the plug connector coupling nut
- IP68 waterproof protection (when connectors are mated and harnessed by using the correct accessories)

CVBSG - General Characteristics

BAYONET CONNECTORS WITH RUBBER COVERED PLUG SHELL

CVBSG series has been modified to design safety connectors. The shells of plug connectors have been rubber jacketed. Accessories in rubber material or with rubber protection are also available for cable retention.

Main characteristics:

- These connectors are particularly suitable for applications with mechanical shock
- Rubber jacket and insulating parts are in accordance with the fire reaction requirements (EN 45545-2 and NFPA 130).
- Standard panel receptacle supplied with countersunk holes for easy mating with rubber jacketed nuts
- Accessories made of rubber material or with rubber protection are also available for cable retention

CVBR - General Characteristics

BAYONET CONNECTORS PROTECTED BY A STAINLESS ROLLER STUD

Designed to build a product even more suitable for the harshest application.
The studs of the plug connector coupling and a higher number of operations due to a lower wear of the coupling ramps.
CVBR series can be supplied from size 18 to size 40.

GG version: with rubber covered coupling nut

Main characteristics:

- Suitable for higher number of operations
- The roller-stud guarantees an easier coupling due to a lower wear of the coupling ramps

GVJ - General Characteristics

OVERSIZE SHELL BAYONET CONNECTOR

This series benefits of the bayonet coupling itself suitable for the harsh conditions typical in railway applications and of more robust and reliable features obtained by the following modifications.

Main characteristics:

- Bigger shell thicknesses to guarantee resistance against impact and harsh environment.
- Rubber-jacketed coupling nut also in the standard series. The roller studs make the coupling easier and allow a bigger number of operations due to a lower wear of the coupling ramps.
- Five key polarization system (a big key and four smaller).
- Increased dimensions to install insulators with bigger number of contacts (on equal service rating) or bigger contact sizes (for higher voltage).
- Wide range of rear accessories and adapters for all types of cables and protections available.

Circular Connectors

International Standard Document Compliance

- SAE AS 50151 (ex MIL-DTL-5015): Connectors, Electrical, Circular threaded, an type, general specification for
- SAE AS 39029: Contacts, Electrical Connectors, general specification for
- VG 95234: Electrical connectors with bayonet coupling pressure-water tight, up to 245A
- EN 50124-1: Railway applications - Insulation coordination
- IEC 60077-1: Railway applications - Electric equipment for rolling stock
- EN 45545: Railway applications - Fire protection on railway vehicles
- NFPA 130 (ASTM E 162, ASTM E 662): Standard for Fixed Guideway Transit and Passenger Rail Systems
- EN 50467: Railway applications - Rolling stock - Electrical connectors, requirements and test methods
- IEC 62847: Railway Applications – Rolling Stock – Electrical Connectors, requirements and test methods
- IEC 61373: Railway applications. Rolling stock equipment. Shock and vibration tests
- IEC 60529: Degrees of protection provided by enclosures (IP Code)
- European Directive 2011/65: RoHS complying

Features and Benefits

Robust Connection
- Fully protected connectors: no risk to damage the contacts thanks the robust shell
- Supplied with grounding finger, conductive plating and the proper rear accessory
- Suitable for polarizations to prevent un-correct coupling

Easy installation
- Fast and reliable coupling
- Backshell and accessories for fastening cable/conduit fixation

Suitable for harsh environments (adapted for outdoor use)
- Waterproof connection
- Dust proof
- Corrosion resistant

High level of performance
- Working temperature -55°C ÷ 200°C (according to the inserts material)
- EMI protection with grounding finger
- Power connection up to 350A

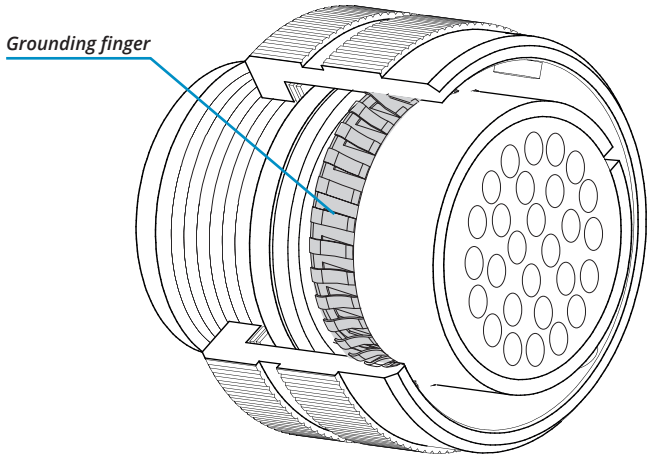
APPLICATIONS

- Railway
- Energy
- Naval
- Industrial

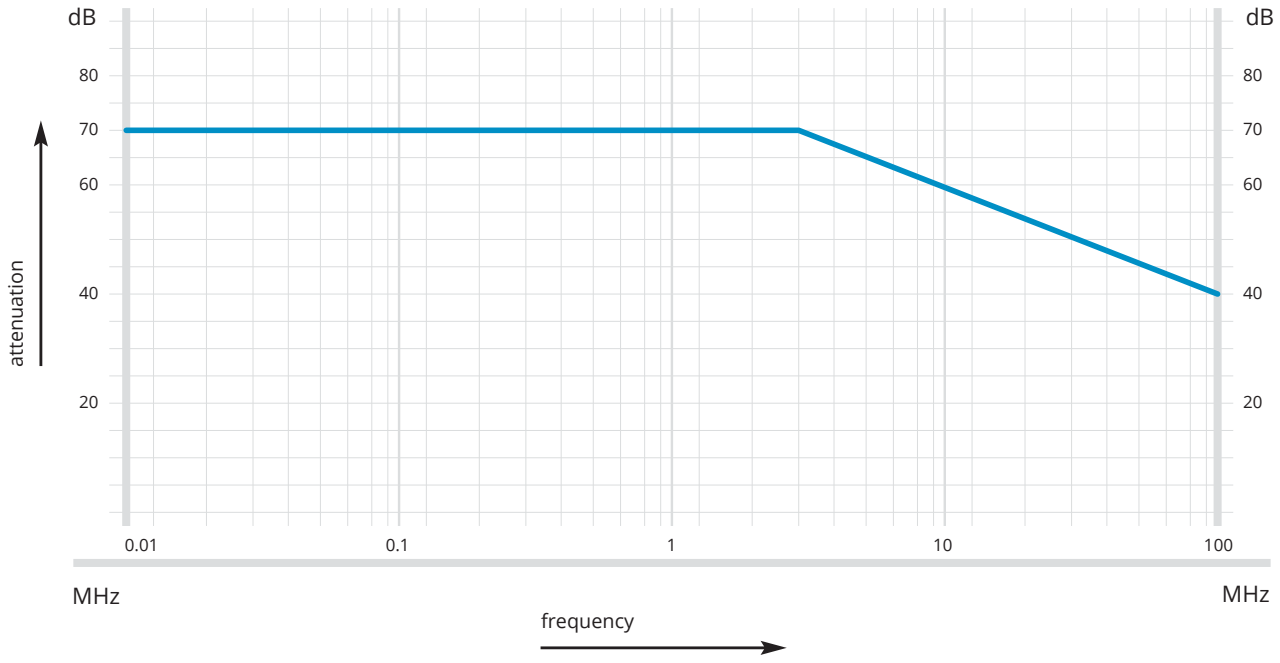
General Characteristics - Shells - Shielding characteristics

Plug connectors with grounding finger (type 96 - 98 - 96GG - 98GG - 965) when mated with receptacle connectors (type 02 - 020 - 00 - 01 - 030 - 038 - 070 - 078) and provided with rear accessories for shielded cables have shielding characteristics according to VG95234 specs.

F16 or F4 Shell Finishes are recommended for electrical conductivity from receptacle to plug.



VG95234 specs: Shielding effectiveness data over frequency range (with conductive shells)



General Characteristics - Shells - Material and Finish

Shells

They are manufactured in aluminum alloy or stainless steel and can be protected against corrosion by the following finishes (Halogen-free):

- **F4** : CCF-Green passivation (conductive)
- **F5** : Electroless Nickel (conductive) - RoHS (*)
- **F7** : Black epoxy varnish (not conductive) - RoHS (*)
- **F16** : CCF-Black passivation (conductive) - RoHS (*)
- **F26** : Black Hard Anodization - RoHS (*)
- **F30** : Colorless passivation for stainless steel (for AISI 303 or AISI 304 - without passivation AISI 316L) - RoHS (*)

(*) Restriction of Hazardous Substances Directives of the European Parliament n°2002/95/EC issued on 27 January 2003
Alternative materials and finishes are available to suit specific requirements.

Surface Treatment Code	**F4**	**F5**	**F7**	**F16**	**F26**	**F30**
Shell-material			Aluminium alloy			Stainless Steel
Surface finish	CCF cadmiun free	electroless nickel	epoxy-polyurethan	CCF cadmiun free	Anodizing	Colorless
Type of surface	passivated	-	varnished	passivated	passivated	passivated
Surface colour	green	grey	black	black	black	-
Rohs conformity	no	yes	yes	yes	yes	yes
Corrosion resistance	500 h ***	48 h	500 h	500 h ***	1000 h	>2000 h
Operat. Temperature	-55°C ÷ + 125°C	-55°C ÷ + 200°C*	-55°C ÷ + 200°C*	-55°C ÷ + 125°C	-55°C ÷ + 125°C	-55°C ÷ + 200°C*
Electrical conductivity	good	good	non-conductive	good	non-conductive	good

* ***For use from 125°C to 200°C, consult our Commercial Office***

*** ***200 h in case of use with components, panel and screws, in stainless steel (galvanic corrosion)***

Coupling mechanism	Threaded Connector ***(CVS serie)***
	Reverse Bayonet Connector ***(CVB/CVBS/CVBSG/CVBR/GVJ Series)***
Mating endurance (IEC 61300-2-2)	500 mating cycles minimum (for use up to 2000 mating cycles, consult our commercial office)
Shock and vibrations tests (EN 61373)	Category 1 body mounted ***(CVB/CVBS/CVBSG/CVBR/GVJ Series)***
	Category 2 bogie mounted ***(CVBS/CVBSG/CVBR/GVJ Series)***
IP protection degree (EN 60529)	IP54, IP67, CVB/CVBS: IP68 (waterproof to 10 meters - 12 hours) when used with adequate backshell or accessories

General Characteristics - Inserts

Insulating inserts and grommets

They are manufactured with the following synthetic, highly insulated, rubber compounds:

- **-** : Chloroprene rubber - for non heavy applications. Good resistance to ageing, oils and gasoline. Rated temperature: -55° to 125°C.
- **V** : Fluoride rubber - for high temperature applications. Excellent resistance to ageing, atmospheric agents, hydraulic fluids and oils. Rated temperature: -25° to 205°C.
- **S** : Silicone rubber - for high and low temperature applications. Excellent resistance to ageing, nuclear radiations and ozone. Rated temperature: -55° to 200°C.
- **RF** : Fire resistant rubber - halogen free - employed when no flame propagation, low opacity and non smoke toxicity is requested. Rated temperature: -35° to 180°C.
- **GVJ** : Thermoplastic resin UL94V0, in accordance with the fire reaction requirements (EN 45545-2 and NFPA 130).

Material-Code (Halogen-free)	- (standard)	V	S	RF/GVJ	GVJ
Material	chloroprene	fluoride	silicone	fire resistant	thermoplastic
Operat. Temperature	-55 ÷ +125°C	-25 ÷ +200°C	-55 ÷ +200°C	-55 ÷ +150°C	-25 ÷ +125°C
Fire protection class UL94	V0	V0	V0	V0	V0
Fire protection class EN45545-2	-	-	-	HL3 / R22 - R23	HL3 / R22 - R23

General Characteristics - Rated Current and Rated Voltage

The values mentioned below are valid for usage at 20°C ambient temperature. Let us remind you that:

- when temperatures rise, the conductivity of the contacts and therefore the value of the applicable current decreases
- at the operating current and 20°C ambient temperature the connection temperature increases anyway
- in consequence to all of the above, the current applicable to a given temperature and a determined contact size must be carefully considered

The material of the insert must be chosen to comply with both room temperature and the one produced by the electrical connection.

If in doubt we suggest you consult our Sales Office.

Contact size	Maximum current*	Rated current***	Maximum voltage drop**	Test current	Max Contact Resistance
20	7.5A	7.5A	55mV	7.5A	<12.0mΩ
18	10A	7.5A	55mV	7.5A	<12.0mΩ
16 - 16S	22A	13A	49mV	13A	<6.0mΩ
12	41A	23A	42mV	23A	<3.0mΩ
8****	73A	46A	26mV	46A	<1.0mΩ
4	135A	80A	23mV	80A	<0.5mΩ
0****	245A	150A	21mV	150A	<0.3mΩ
4/0****	350A	225A	21mV	225A	<0.2mΩ

Rated current with one contact loaded in a contact arrangement.

* *Valid for ambient temperature at 20°C.*
** *Test according to SAE AS39029 with silver plated wire.*
*** *Valid for ambient temperature at 80°C.*
**** *Available contacts with louver.*

INSULATING CHARACTERISTICS AND RATED VOLTAGE

The values of the following table:

- are valid for usage at sea level.
- refer to a clean environment of application. The pollution due to metallic or other impurities has to be taken into consideration.
- concern contacts with standard termination, solder or crimping, with size suitable for AWG section wires matching the relevant contact size. It is therefore necessary to pay attention when using contacts with crimp termination bigger than the nominal AWG size.
- Minimum Insulating Resistance ≥ 5GΩ.

Service code	Operating Voltage Vdc	SAE AS 50151 (ex MIL-DTL-5015) Operating Voltage Vac RMS*	SAE AS 50151 (ex MIL-DTL-5015) Test Voltage Vac RMS*
I (instruments)	250	200	1000
A	700	500	2000
D	1250	900	2800
E	1750	1250	3500
B	2450	1750	4500
C	4200	3000	7000

** The connectors do not show any sign of breakdown when the voltage indicated in the table is applied for one minute between the two closest contacts and between the shell and the contact closest to the shell.*

Caution : When nominal operating voltage exceeds 50V towards earth, the appropriate safety measures have to be adopted as described by EN 50124-1 and IEC 60077-1. The data shown on the above table are applicable only when the above mentioned safety rules are fulfilled.

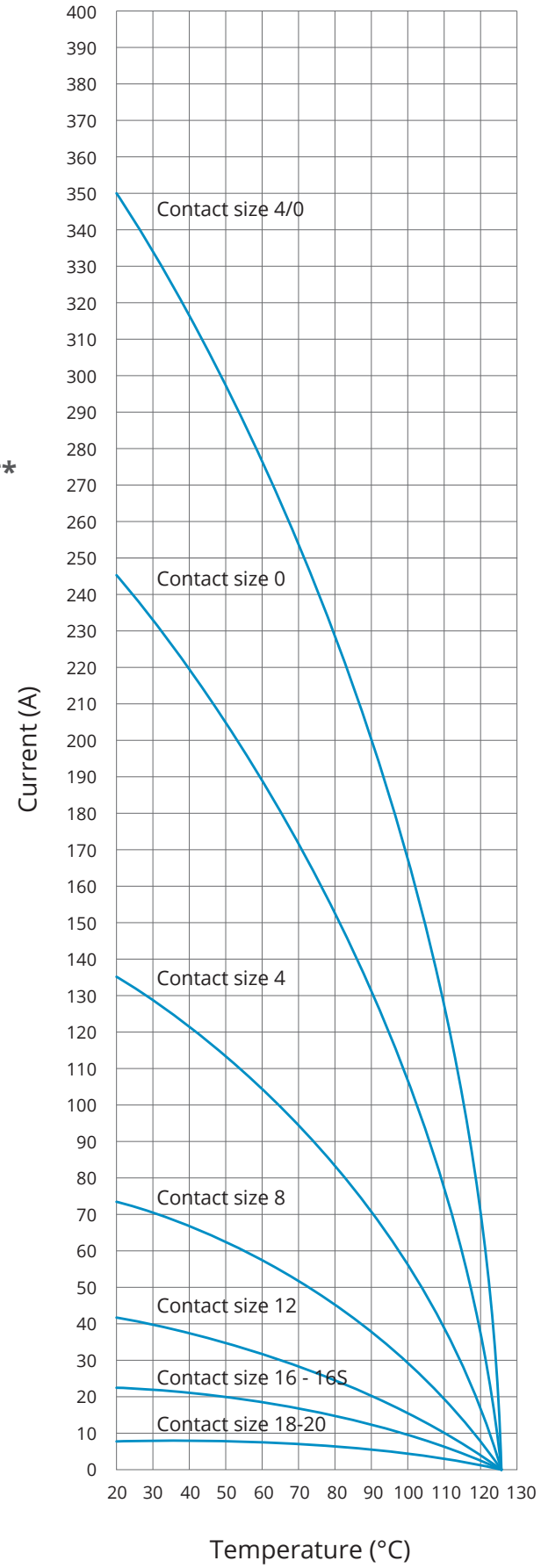
General Characteristics - Contacts - electrical characteristics

RATED CURRENT

Recommended current according to the temperature.

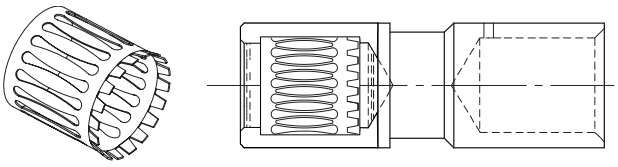
Rated current with one contact loaded in a contact arrangement.

Electrical design and production parameters of threaded or bayonet coupling connectors are derived from SAE AS 50151 (ex MIL-DTL-5015) and VG 95234 specifications. All circular connectors are produced and tested in accordance of VG 95234 specification.



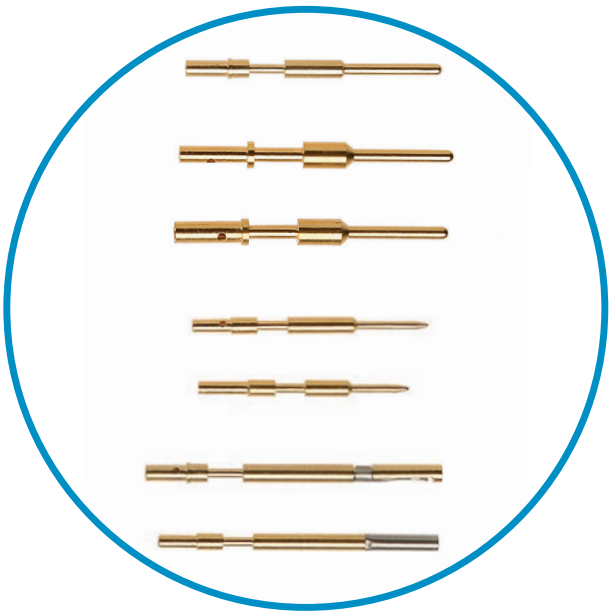
RATED CURRENT CONTACTS WITH LOUVER**

Also available special contacts for high current.



Contact Size	Maximum current	Rated Current
8L	90A	56A
0L	300A	200A
4/0L	450A	300A

*** Not included in Mil or Sae Specs*



General Characteristics

Contacts They are machined in high conductivity copper alloy in order to guarantee optimum connection properties and to provide resistance to vibration and continuous mating and unmating cycles.

They are protected by a silver (standard production) or gold finish with varying plating thickness on request.

As for connector codes to be supplied with specific finish contacts please consult the section referring to the P/N explanations.

Contacts for particular applications, alternative termination types and with special finishes are available to suit specific requirements.

Engagement and disengagement force between contacts

Contact size	Engagement * in N. Max	Disengagement * in N. Max
20	1.8	0.19
18	2.4	0.19
16 - 16S	5	0.56
12	7.5	0.83
8	15	1.39
4	20	2.78
0	42.5	4.17
4/0 **	42.5	4.17

*** Not included in Mil or Sae Specs*

** Test according to SAE AS39029*

Contacts - Part number explanation

RF	CVS	303	00	DA	T	20-27	S	X	PG16	CR	CD5	F7	G	N

These are available in solder or crimp version.
Solder contacts are normally supplied already installed in the connector.
Crimp contacts instead are supplied loose in a bag inside the connector packing or separately.
Crimp contacts machined from copper alloys and finished with gold or silver platings.
Special power contacts, for signal or shielding are also available.
Crimp contacts are commonly used in railways applications.

They can be supplied loose in a bag inside the connector packing or separately.

Contacts material is copper alloy and they are protected by a silver (standard production) or gold finish with varying plating thickness on request.

All contacts are machined in order to guarantee optimum connection properties and to provide resistance to vibration and continuous mating and unmating cycles.

Contacts for particular applications, alternative termination types and with special finishes are available to suit specific requirements.

S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		DS	PCB contacts
		LC	Less contacts (To be purchased separately)
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
N	**Modification Code**	**N**	Non standard Contacts and hole plugs (Consult our sales office)

Standard Crimp Contacts (specify CR in the Part Number)

Contact Size	Wire section (mm²)	AWG cable size
20	0.15÷0.3	26÷22
18	0.15÷0.6	26÷20
16 - 16S	1÷1.5	18÷16
12	3	12
8	-	8
4	22	4
0	53	0
4/0	107÷120	4/0

Insulating Inserts And Grommets - Part number explanation

RF	CVS	303	00	DA	T	20-27	S	X	PG16	CR	CD5	F7	G	N

VanSystem is able to offer connectors with insulators suitable for low or high voltage with lay-out from 1 to 201 contacts.

Insulating inserts and grommets are manufactured with synthetic, highly insulated, rubber compounds.

RF	Insulating material	-	Chloroprene rubber	For non heavy applications. Good resistance to ageing, oils and gasoline. Rated temperature: -55° to +125°C*
		V	Fluoride rubber	Excellent resistance to ageing, atmospheric agents, hydraulic fluids and oils. Rated temperature: -25° to +200°C*
		S	Silicone rubber	For high and low temperature applications. Excellent resistance to ageing, nuclear radiations and ozone. Rated temperature: -55° to +200°C*
		RF	Fire resistant rubber	Halogen free Employed when no flame propagation, low opacity and non smoke toxicity are requested. Qualified according to: • EN 45545-2 HL3 R22/R23 • NFPA 130 Rated temperature: -55° to +150°C*
20-27	Size and Insert Arrangement	xx-xx	Size - Arrangement	Inserts and grommets arrangements List by shell size List by contacts total quantity
X	Polarization Code	-	No rotation	
		W,X,Y,Z,Q	Rotation	Alternate insert position

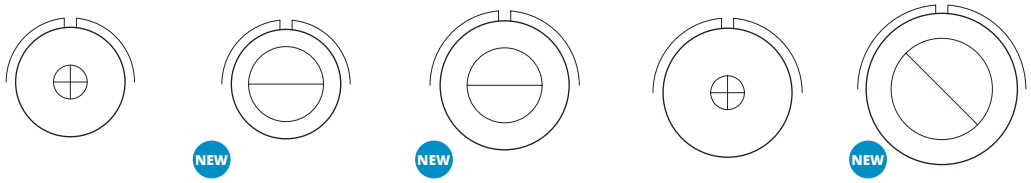
** Temperature range can be changed according to shell finishes.*

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

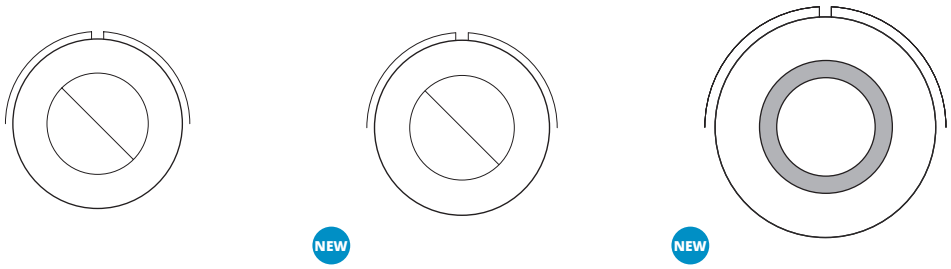
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

1 CONTACT



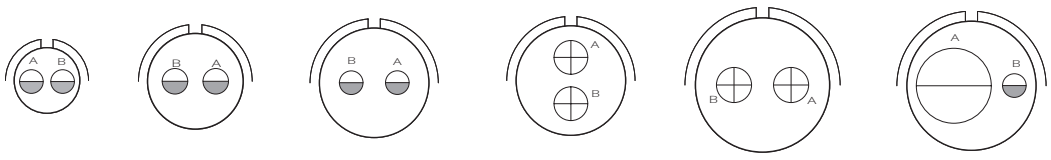
Insert Arrangement	16-2**	16-12	18-6	18-16**	20-2
N° of Contacts	1	1	1	1	1
Contact Size/ Current rating	12 *(23A)*	4 *(80A)*	4 *(80A)*	12 *(23A)*	0 *(150A)*
Service Rating	E *1750 Vdc 1250 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	C *4200 Vdc 3000 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	-	-	-	-

1 CONTACT



Insert Arrangement	22-7**	22A1 (L)	28A1 (L)
N° of Contacts	1	1	1
Contact Size/ Current rating	0 *(150A)*	0 *(150A)*	4/0 *(225A)*
Service Rating	E *1750 Vdc 1250 Vac*	750V *(according to APTA SS-E-001-98)*	750V OV4 PD4
Grommet	-	●	-

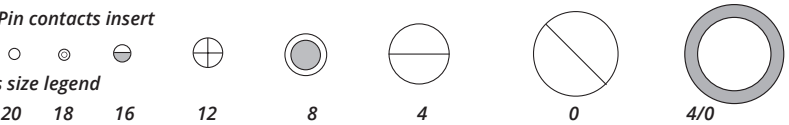
2 CONTACTS



Insert Arrangement	10SL-4	14S-9	16S-4	16-11**	18-3	18-14**
N° of Contacts	2	2	2	2	2	2
Contact Size/ Current rating	16S *(13A)*	16S *(13A)*	16S *(13A)*	12 *(23A)*	12 *(23A)*	n° 1- 4 *(80A)* n° 1-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●	●	-	-	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



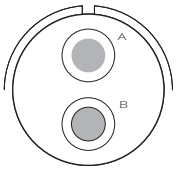
ST Contacts size legend

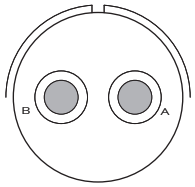
20 18 16 12 8 4 0 4/0

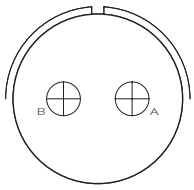
Insulating Inserts and Grommets - List by contacts total quantity

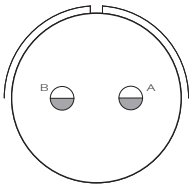
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

2 CONTACTS



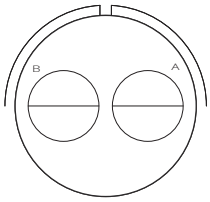


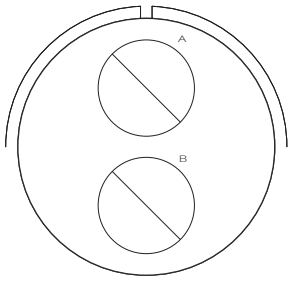




Insert Arrangement	20-23**	22-1	22-8**	22-11**
N° of Contacts	2	2	2	2
Contact Size/ Current rating	8 *(46A)*	8 *(46A)*	12 *(23A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	E *1750 Vdc 1250 Vac*	B *2450 Vdc 1750 Vac*
Grommet	-	●	-	-

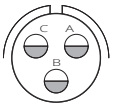
2 CONTACTS

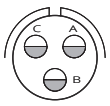


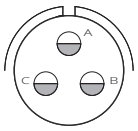


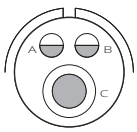
Insert Arrangement	24-9	32-5
N° of Contacts	2	2
Contact Size/ Current rating	4 *(80A)*	0 *(150A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	●

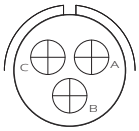
3 CONTACTS









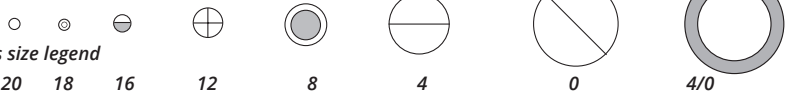


Insert Arrangement	10SL-3	14S-1***	14S-7	16S-5	16-7**	16-10
N° of Contacts	3	3	3	3	3	3
Contact Size/ Current rating	16S *(13A)*	16S *(13A)*	16S *(13A)*	16S *(13A)*	n° 1-8 *(46A)* n° 2-16 *(13A)*	12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-	●	●	-	●

**** Same as 14S-7S (it is different from MIL-STD-1651 standard)*

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

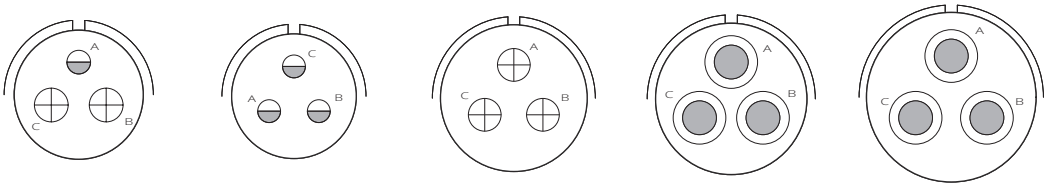
20 18 16 12 8 4 0 4/0

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

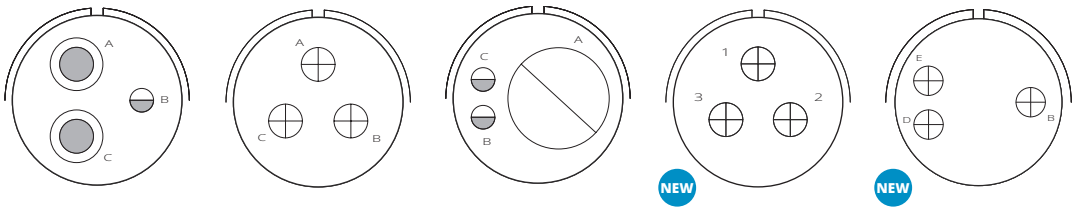
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

3 CONTACTS



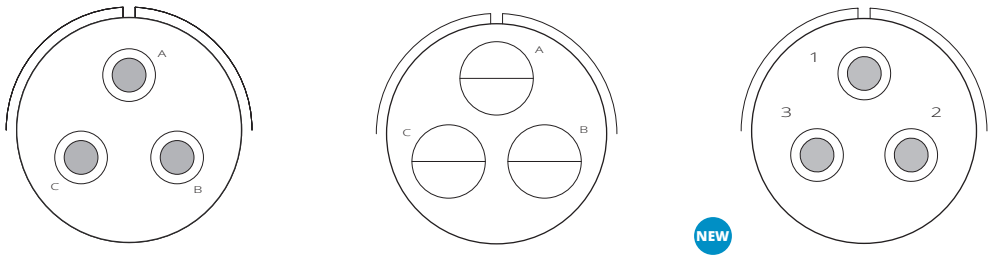
Insert Arrangement	18-5	18-22	20-3	20-19	22-2 (NS)
N° of Contacts	3	3	3	3	3
Contact Size/ Current rating	n° 2-12 *(23A)* n° 1-16 *(13A)*	16 *(13A)*	12 *(23A)*	8 *(46A)*	8 *(46A)*
Service Rating	D *1250 Vdc* *900 Vac*	D *1250 Vdc* *900 Vac*	D *1250 Vdc* *900 Vac*	A *700 Vdc* *500 Vac*	D *1250 Vdc* *900 Vac*
Grommet	-	●	●	●	●

3 CONTACTS



Insert Arrangement	22-6**	22-9**	22-21	22A3 (L)	24-12/1
N° of Contacts	3	3	3	3	3
Contact Size/ Current rating	n° 2-8 *(46A)* n° 1-16 *(13A)*	12 *(23A)*	n° *1*-0 *(150A)* n° *2* -16 *(13A)*	12 *(23A)*	8 *(46A)*
Service Rating	D *1250 Vdc* *900 Vac*	E *1750 Vdc* *1250 Vac*	A *700 Vdc* *500 Vac*	B *2450 Vdc* *1750 Vac*	A *700 Vdc* *500 Vac*
Grommet	-	●	●	●	●

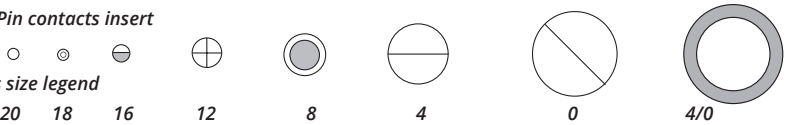
3 CONTACTS



Insert Arrangement	28-3	28-6	28A3 (L)
N° of Contacts	3	3	3
Contact Size/ Current rating	8 *(46A)*	4 *(80A)*	8 *(46A)*
Service Rating	E *1750 Vdc 1250 Vac*	D *1250 Vdc 900 Vac*	B *2450 Vdc 1750 Vac*
Grommet	●	●	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



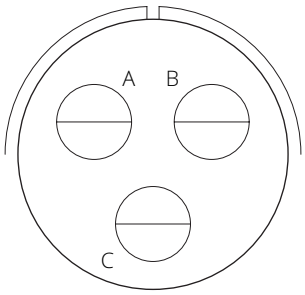
ST Contacts size legend

20 18 16 12 8 4 0 4/0

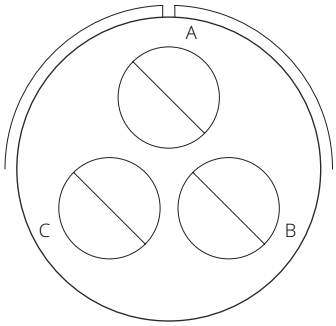
Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

3 CONTACTS



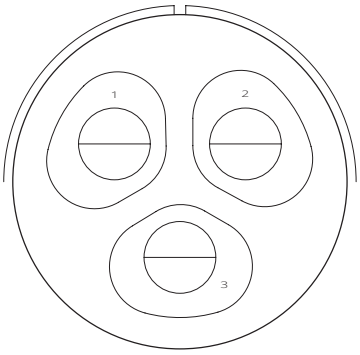
NEW

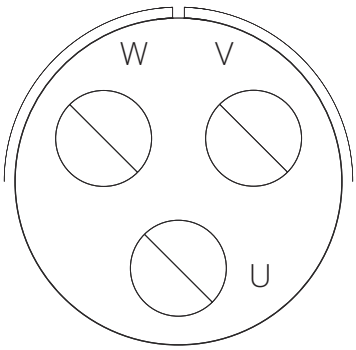


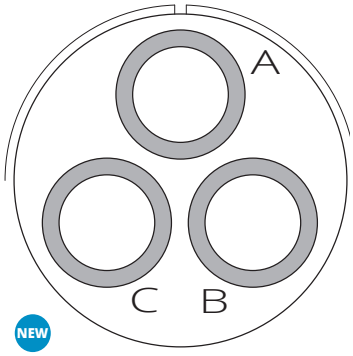
NEW

Insert Arrangement	32A3 (L)	36-4
N° of Contacts	3	3
Contact Size/ Current rating	4 *(80A)*	0 *(150A)*
Service Rating	E *1750 Vdc 1250 Vac*	A=D - B/C=A
Grommet	●	●

3 CONTACTS



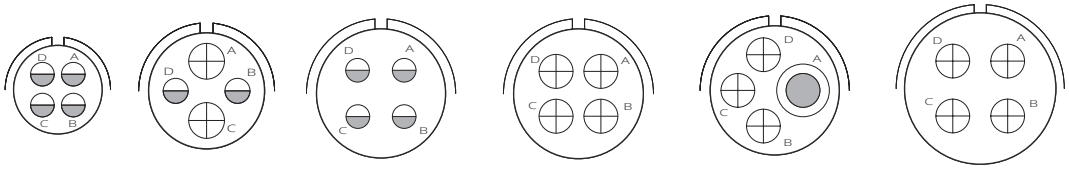




NEW

Insert Arrangement	40A3 (L)	40C3** (L)	40D3
N° of Contacts	3	3	3
Contact Size/ Current rating	4 *(80A)*	0 *(150A)*	4/0 *(225A)*
Service Rating	E *1750 Vdc 1250 Vac*	B *2450 Vdc 1750 Vac*	A *700 Vdc 500 Vac*
Grommet	-	-	●

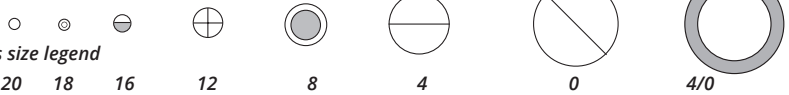
4 CONTACTS



Insert Arrangement	14S-2	16-9	18-4	18-10	18-13**	20-4
N° of Contacts	4	4	4	4	4	4
Contact Size/ Current rating	16S *(13A)*	n° 2-12 *(23A)* n° 2- 16 *(13A)*	16 *(13A)*	12 *(23A)*	n° 1-8 *(46A)* n° 3-12 *(23A)*	12 *(23A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	-	●	●	-	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

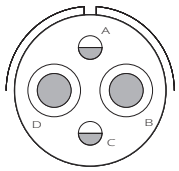
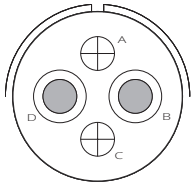
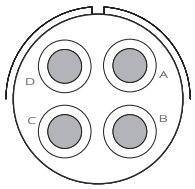
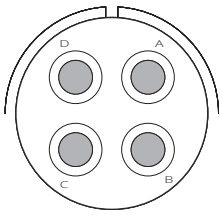
20 18 16 12 8 4 0 4/0

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

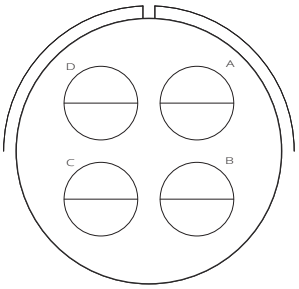
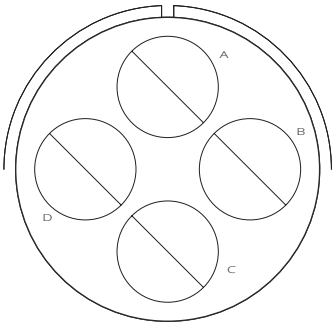
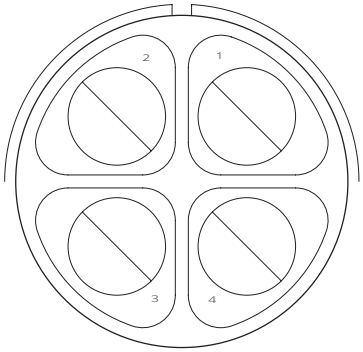
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

4 CONTACTS

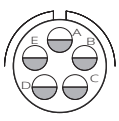
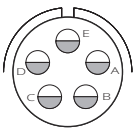
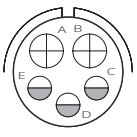
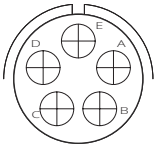
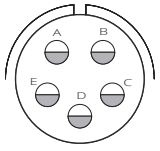
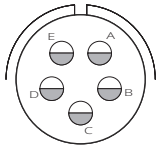
Insert Arrangement	20-24	22-4**	22-22	24-22
N° of Contacts	4	4	4	4
Contact Size/ Current rating	n° 2-8 *(46A)* n° 2-16 *(13A)*	n° 2-8 *(46A)* n° 2-12 *(23A)*	4-8 *(46A)*	4-8 *(46A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	-	●	●

4 CONTACTS

Insert Arrangement	32-17	36-5	40A4 (L)
N° of Contacts	4	4	4
Contact Size/ Current rating	4 *(80A)*	0 *(150A)*	0 *(150A)*
Service Rating	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*	E *1750 Vdc 1250 Vac*
Grommet	-	-	-

5 CONTACTS

Insert Arrangement	14S-5	16S-8	16A5	18-11	18-20	18A5 (L)
N° of Contacts	5	5	5	5	5	5
Contact Size/ Current rating	16S *(13A)*	16S *(13A)*	n° 2-12 *(23A)* n° 3- 16 *(13A)*	12 *(23A)*	16 *(13A)*	16 *(13A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	-	-	●	●	-

● *Grommet Available*

*** On request (please consult our Sales Office)*

(L) Long Insert

(S) Short Insert

(NS) Non Standard Shell Type

Front view Pin contacts insert

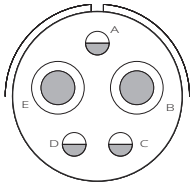
ST Contacts size legend

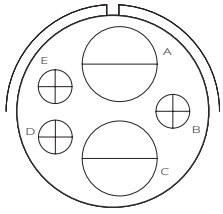
20 18 16 12 8 4 0 4/0

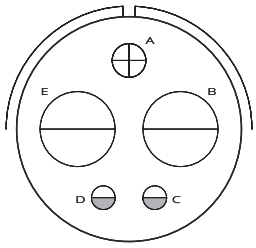
Insulating Inserts and Grommets - List by contacts total quantity

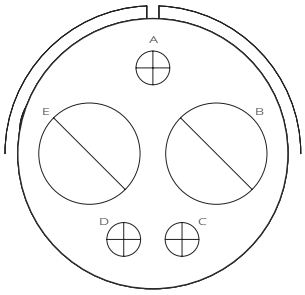
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

5 CONTACTS



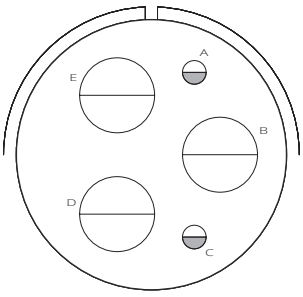


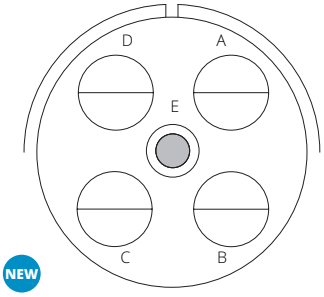


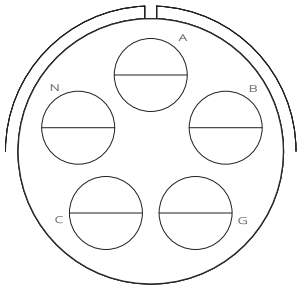


Insert Arrangement	22-12** (NS)	24-12	28-5	32-1
N° of Contacts	5	5	5	5
Contact Size/ Current rating	n° 2-8 *(46A)* n° 3-16 *(13A)*	n° 2-4 *(80A)* n° 3-12 *(23A)*	n° 2-4*(80A)* n° 1-12*(23A)* n° 2-16*(13A)*	n° 2-0 *(150A)* n° 3-12 *(23A)*
Service Rating	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A=E - Bal.=D
Grommet	-	-	-	●

5 CONTACTS

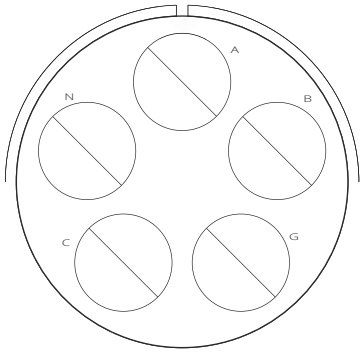


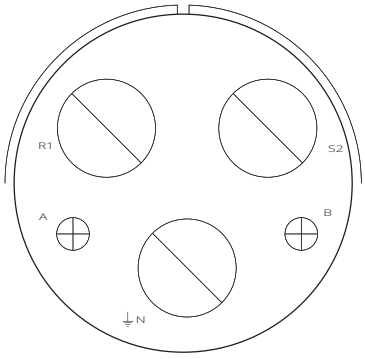




Insert Arrangement	32-2**	32-79	32A5 (L)
N° of Contacts	5	5	5
Contact Size/ Current rating	n° 3-4 *(80A)* n° 2-16 *(13A)*	n° 4-4 *(80A)* n° 1-8 *(46A)*	4 *(80A)*
Service Rating	E *1750 Vdc 1250 Vac*	D *1250 Vdc 900 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	●	-

5 CONTACTS

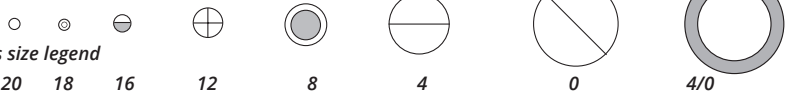




Insert Arrangement	40A5	40B3 (L)
N° of Contacts	5	5
Contact Size/ Current rating	0 *(150A)*	n° 3-0 *(150A)* n° 2-12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	-	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

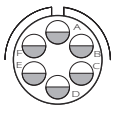
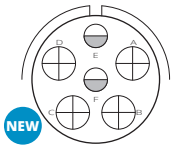
20 18 16 12 8 4 0 4/0

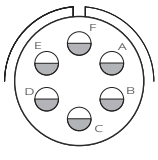
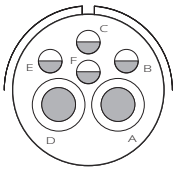
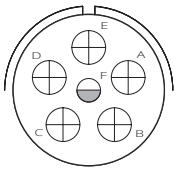
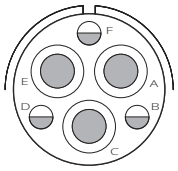
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

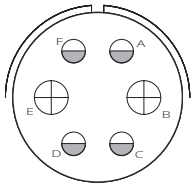
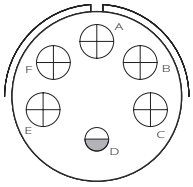
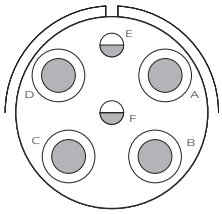
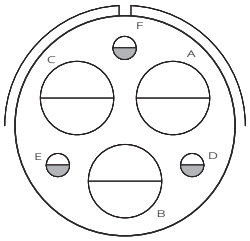
6 CONTACTS

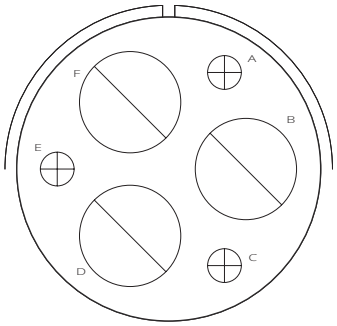
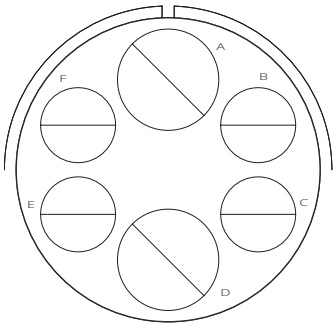
Insert Arrangement	14S-6	18-06	18-12	20-8** (NS)	20-17**	20-22**
N° of Contacts	6	6	6	6	6	6
Contact Size/ Current rating	16S *(13A)*	n° 4-12 *(23A)* n° 2-16 *(13A)*	16 *(13A)*	n° 2-8 *(46A)* n° 4-16 *(13A)*	n° 5-12 *(23A)* n° 1-16 *(13A)*	n° 3-8 *(46A)* n° 3-16 *(13A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-	●	-	-	-

6 CONTACTS

Insert Arrangement	22-5**	22-15**	24-06**	28-22
N° of Contacts	6	6	6	6
Contact Size/ Current rating	n° 2-12 *(23A)* n° 4-16 *(13A)*	n° 5-12 *(23A)* n° 1-16 *(13A)*	n° 4-8 *(46A)* n° 4-16 *(13A)*	n° 3-4 *(80A)* n° 3-16 *(13A)*
Service Rating	D *1250 Vdc 900 Vac*	D=E - Bal.=A	D *1250 Vdc 900 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	-	-	-

6 CONTACTS

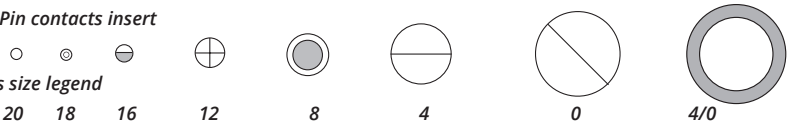



Insert Arrangement	36-3	36-6**
N° of Contacts	6	6
Contact Size/ Current rating	n° 3-0 *(150A)* n° 3-12 *(23A)*	n° 2-0 *(150A)* n° 4-4 *(80A)*
Service Rating	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

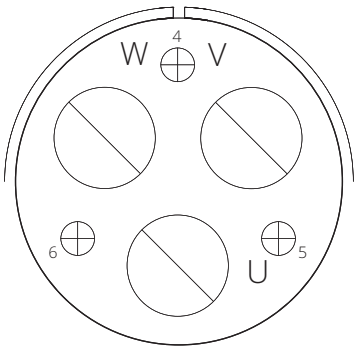
ST Contacts size legend



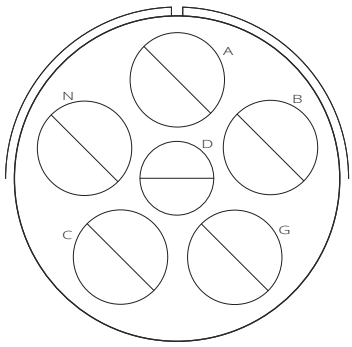
Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

6 CONTACTS



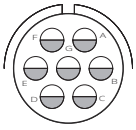
NEW

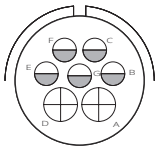


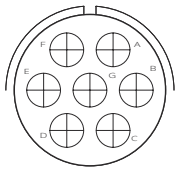
NEW

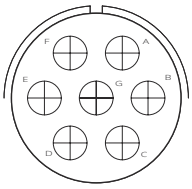
Insert Arrangement	40C6 (L)	40B6
N° of Contacts	6	6
Contact Size/ Current rating	n° 3-0 *(150A)* n° 3-12 *(23A)*	n° 5-0 *(150A)* n° 1-4 *(80A)*
Service Rating	B *2450 Vdc 1750 Vac*	A *700 Vdc 500 Vac*
Grommet	-	●

7 CONTACTS



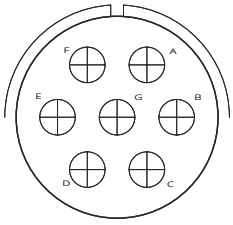


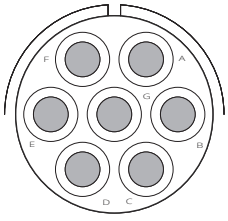


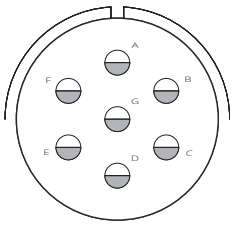


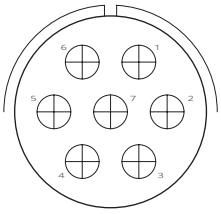
Insert Arrangement	14SA7	16S-1	18-9	20-15	22-28**
N° of Contacts	7	7	7	7	7
Contact Size/ Current rating	16S *(13A)*	16S *(13A)*	n° 2-12 *(23A)* n° 5-16 *(13A)*	12 *(23A)*	12 *(23A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●	-	●	-

7 CONTACTS









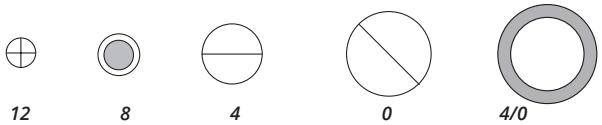
Insert Arrangement	24-2	24-10	24-27	24A7**
N° of Contacts	7	7	7	7
Contact Size/ Current rating	12 *(23A)*	8 *(46A)*	16 *(13A)*	12 *(23A)*
Service Rating	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*	E *1750 Vdc 1250 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	●	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

ST Contacts size legend

20 18 16 12 8 4 0 4/0

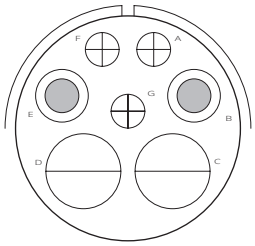


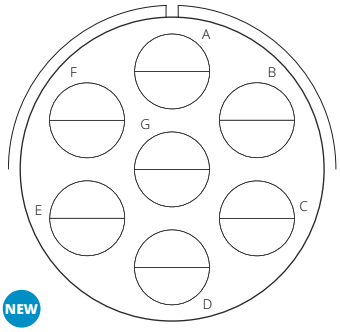
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

7 CONTACTS





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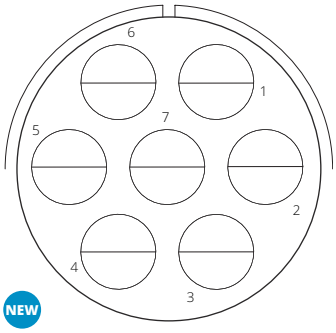
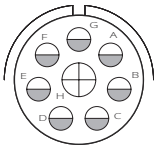
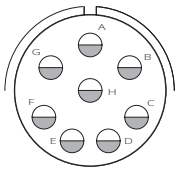


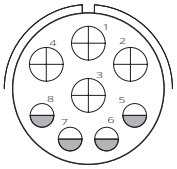
NEW

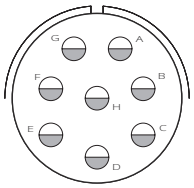
Insert Arrangement	**28-10**	**36-77**	**36A7 (L)**
N° of Contacts	7	7	7
Contact Size/ Current rating	n° 2-4*(80A)* n° 2-8*(46A)* n° 3-12*(23A)*	4 *(80A)*	4 *(80A)*
Service Rating	G=D - Bal.=A	D *1250 Vdc 900 Vac*	B *2450 Vdc 1750 Vac*
Grommet	-	●	●

8 CONTACTS



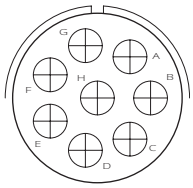


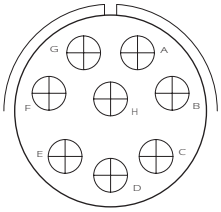


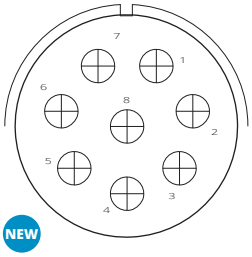


Insert Arrangement	**18-8**	**20-7**	**20B8**	**22-18**
N° of Contacts	8	8	8	8
Contact Size/ Current rating	n° 1-12*(23A)* n° 7-16 *(13A)*	16 *(13A)*	n° 4-12*(23A)* n° 4-16 *(13A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A,B,H,G=D - Bal.=A	A *700 Vdc 500 Vac*	A,B,F,G,H=D - Bal.=A
Grommet	-	●	-	●

8 CONTACTS







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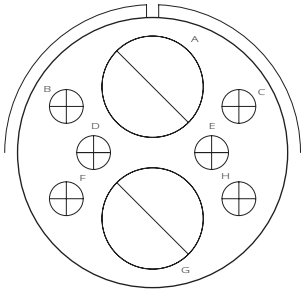
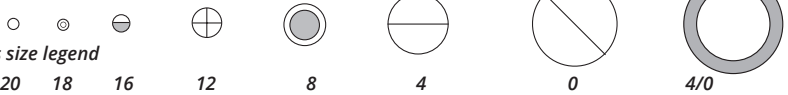


Insert Arrangement	**22-23**	**24-6****	**28B8 (L)**	**32-15**
N° of Contacts	8	8	8	8
Contact Size/ Current rating	12*(23A)*	12*(23A)*	12*(23A)*	n° 2-0 *(150A)* n° 6-12*(23A)*
Service Rating	H=D - Bal.=A	A,G,H=D - Bal.=A	750V *(according to APTA SS-E-001-98)*	D *1250 Vdc 900 Vac*
Grommet	●	-	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



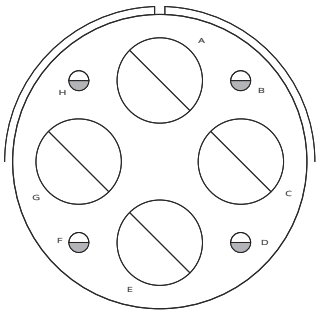
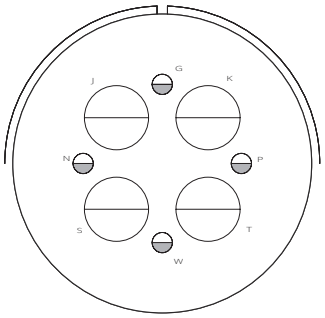
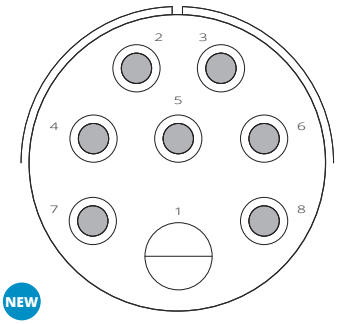
ST Contacts size legend

20 18 16 12 8 4 0 4/0

Insulating Inserts and Grommets - List by contacts total quantity

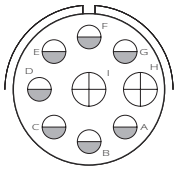
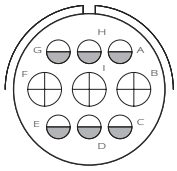
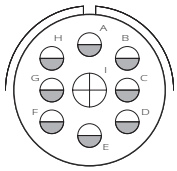
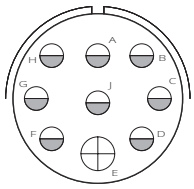
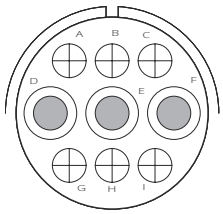
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

8 CONTACTS

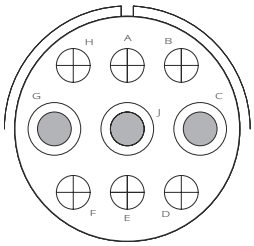
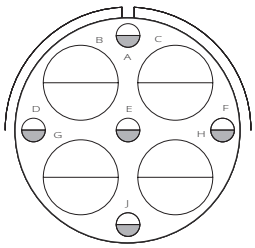
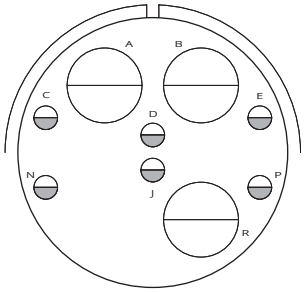
Insert Arrangement	40A8	40A10	40B7 (L)
N° of Contacts	8	8	8
Contact Size/ Current rating	n° 4-0 *(150A)* n° 4-16 *(13A)*	n° 4-4 *(80A)* n° 4-16 *(13A)*	n° 1-4 *(80A)* n° 7-8 *(46A)*
Service Rating	E *1750 Vdc 1250 Vac*	D *1250 Vdc 900 Vac*	750V *(according to APTA SS-E-001-98)*
Grommet	●	●	●

9 CONTACTS

Insert Arrangement	20-16**	20-18	20-21**	22-17**	24-11
N° of Contacts	9	9	9	9	9
Contact Size/ Current rating	n° 2-12 *(23A)* n° 7-16 *(13A)*	n° 3-12 *(23A)* n° 6-16 *(13A)*	n° 1-12 *(23A)* n° 8-16 *(13A)*	n° 1-12 *(23A)* n° 8-16 *(13A)*	n° 3-8 *(46A)* n° 6-12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A=D - Bal.=A	A *700 Vdc 500 Vac*
Grommet	-	●	-	-	●

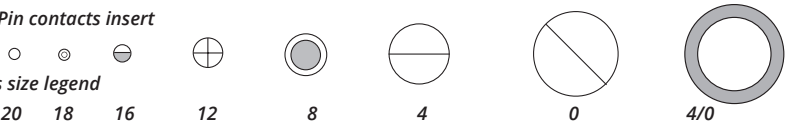
9 CONTACTS

Insert Arrangement	28-1	28A9	32A9
N° of Contacts	9	9	9
Contact Size/ Current rating	n° 3-8 *(46A)* n° 6-12 *(23A)*	n° 4-4 *(80A)* n° 5-16 *(13A)*	n° 3-4 *(80A)* n° 6-16 *(13A)*
Service Rating	A,J,E=D - Bal.=A	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

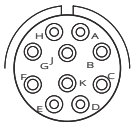
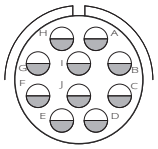
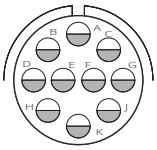
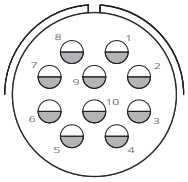
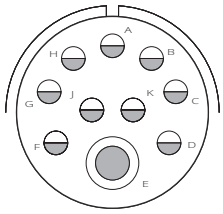
20 18 16 12 8 4 0 4/0

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

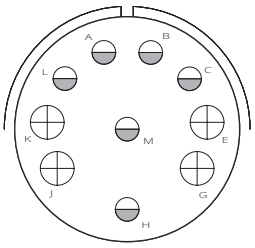
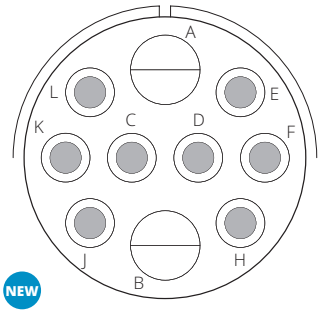
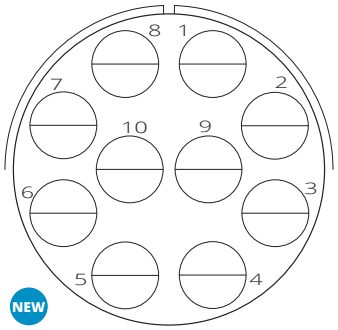
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

10 CONTACTS

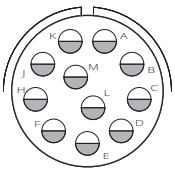
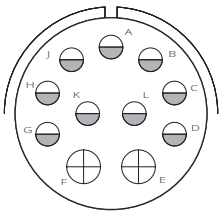
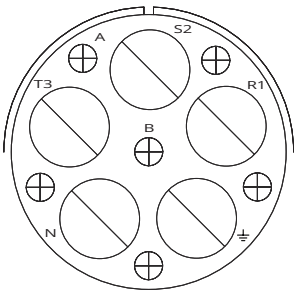
Insert Arrangement	16A10**	18-1	18-19	22A10	24-21**
N° of Contacts	10	10	10	10	10
Contact Size/ Current rating	18 *(7.5A)*	16 *(13A)*	16 *(13A)*	16 *(13A)*	n° 1-8 *(46A)* n° 9-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	B,C,F,G=A - Bal.=I	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	●	●	●	-

10 CONTACTS

Insert Arrangement	28-19**	36A10 (L)	40B10
N° of Contacts	10	10	10
Contact Size/ Current rating	n° 4-12 *(23A)* n° 6-16 *(13A)*	n° 2-4 *(80A)* n° 8-8 *(46A)*	4 *(80A)*
Service Rating	H,M=B A,B=D - Bal.=A	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	-	-	●

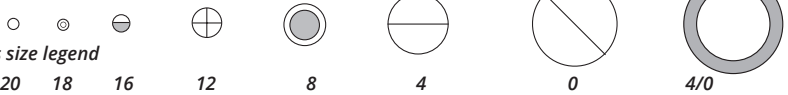
11 CONTACTS

Insert Arrangement	20-33	24-20	40A11 (L)
N° of Contacts	11	11	11
Contact Size/ Current rating	16 *(13A)*	n° 2-12 *(23A)* n° 9-16 *(13A)*	n° 5-0 *(150A)* n° 6-12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	B,N,T3,S2,R1,⏚=D - Bal.=A
Grommet	●	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



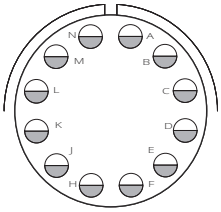
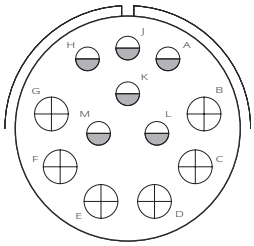
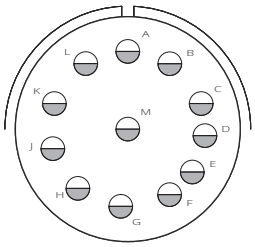
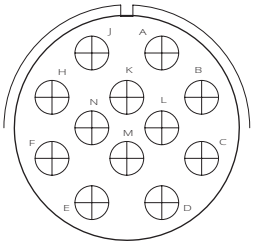
ST Contacts size legend

20 18 16 12 8 4 0 4/0

Insulating Inserts and Grommets - List by contacts total quantity

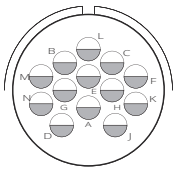
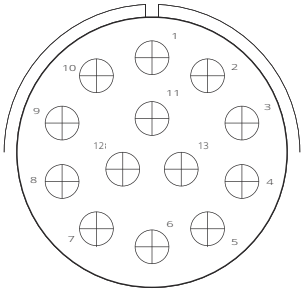
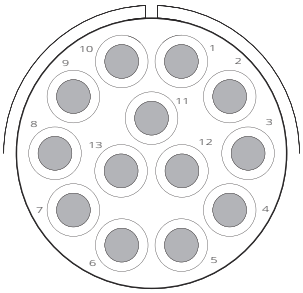
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

12 CONTACTS

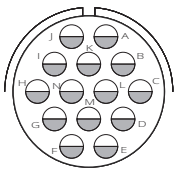
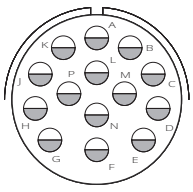
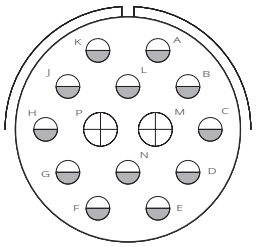
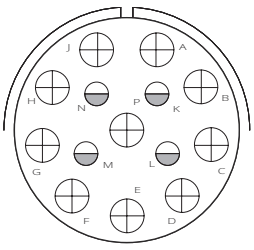
Insert Arrangement	24-19	28-9**	28-18	28-51 (L)
N° of Contacts	12	12	12	12
Contact Size/ Current rating	16 *(13A)*	n° 6-12 *(23A)* n° 6-16 *(13A)*	16 *(13A)*	12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	M=C - A,B=A - G,H,J,K,L=D - Bal.=I	D *1250 Vdc 900 Vac*
Grommet	●	-	●	●

13 CONTACTS

Insert Arrangement	20-11	32A13	32B13**
N° of Contacts	13	13	13
Contact Size/ Current rating	16 *(13A)*	12 *(23A)*	8 *(46A)*
Service Rating	I *250 Vdc 200 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*
Grommet	-	●	●

14 CONTACTS

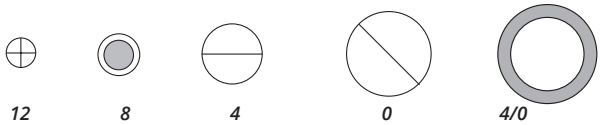
Insert Arrangement	20-27	22-19** (NS)	28-2	28-20**
N° of Contacts	14	14	14	14
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*	n° 2-12 *(23A)* n° 12-16 *(13A)*	n° 10-12 *(23A)* n° 4-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●	-	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

ST Contacts size legend

20 18 16 12 8 4 0 4/0

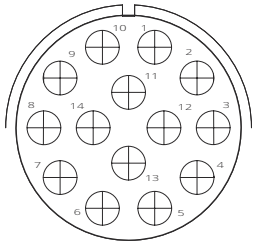


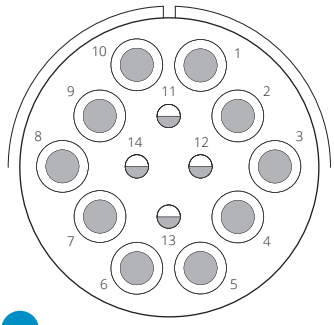
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

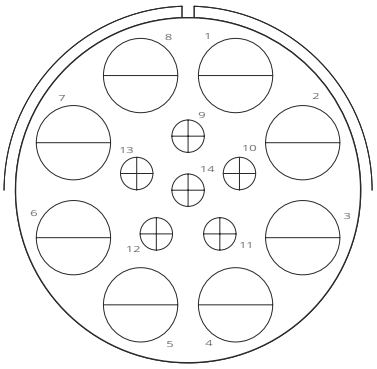
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

14 CONTACTS



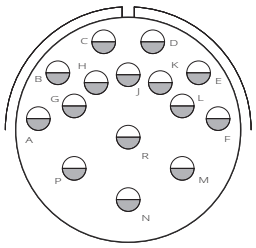


NEW



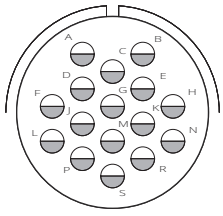
Insert Arrangement	28A14	36D78	40A14
N° of Contacts	14	14	14
Contact Size/ Current rating	12 *(23A)*	n° 10-8 *(46A)* n° 4-16 *(13A)*	n° 8-4 *(80A)* n° 6-12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*	A *700 Vdc 500 Vac*
Grommet	-	●	●

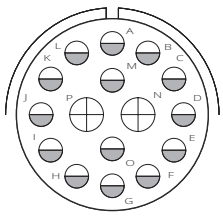
15 CONTACTS

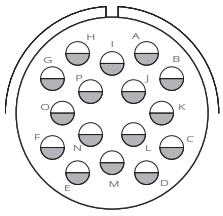


Insert Arrangement	28-17**	
N° of Contacts	15	
Contact Size/ Current rating	16 *(13A)*	
Service Rating	M,N,P=D - R=B - Bal.=A	
Grommet	-	

16 CONTACTS



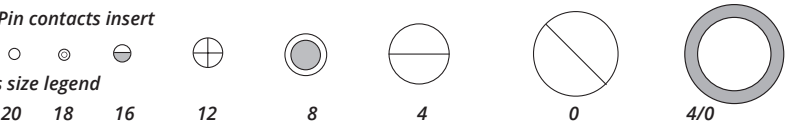




Insert Arrangement	24-5	24-7	24A16 (L)
N° of Contacts	16	16	16
Contact Size/ Current rating	16 *(13A)*	n° 2-12 *(23A)* n° 14-16 *(13A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



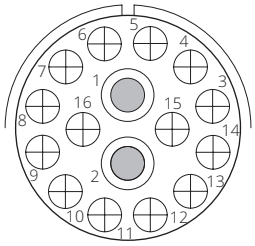
ST Contacts size legend

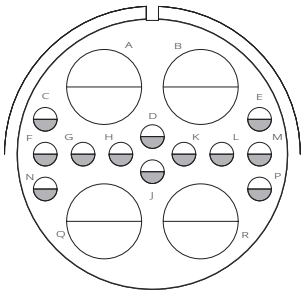
20 18 16 12 8 4 0 4/0

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

16 CONTACTS

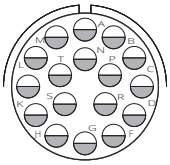


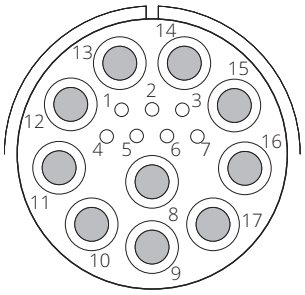


NEW

Insert Arrangement	**28A16**	**32-68**
N° of Contacts	16	16
Contact Size/ Current rating	n° 2-8 *(46A)* n° 14-12 *(23A)*	n° 4-4 *(80A)* n° 12-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-

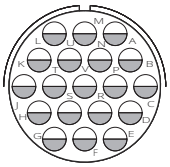
17 CONTACTS

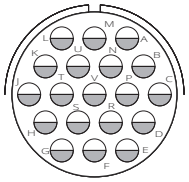


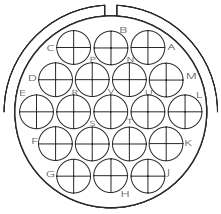


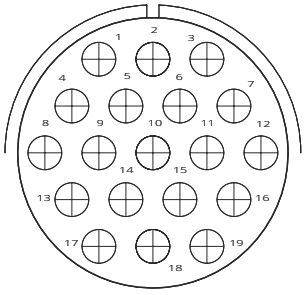
Insert Arrangement	**20-29**	**32A17****
N° of Contacts	17	17
Contact Size/ Current rating	16 *(13A)*	n° 10-8 *(46A)* n° 7-20 *(7.5A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-

19 CONTACTS





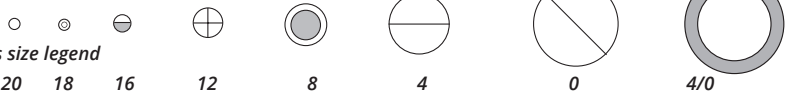




Insert Arrangement	**20A48**	**22-14**	**24-67**	**32-76****
N° of Contacts	19	19	19	19
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*	12 *(23A)*	12 *(23A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●	-	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

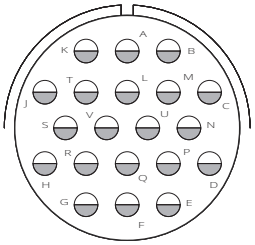
20 18 16 12 8 4 0 4/0

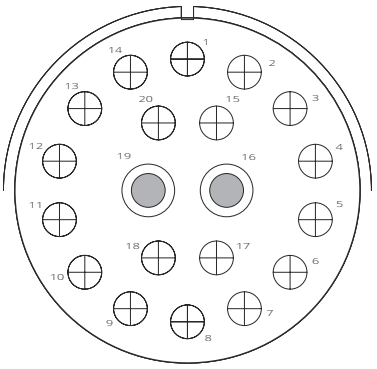
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

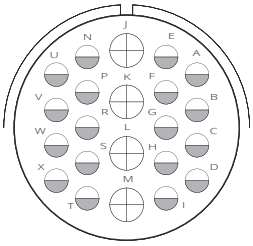
20 CONTACTS

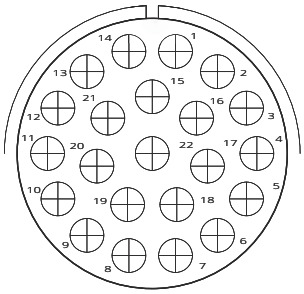


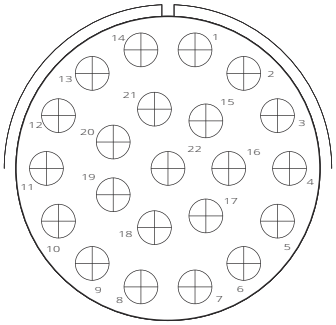


Insert Arrangement	**28-16**	**40A20**
N° of Contacts	20	20
Contact Size/ Current rating	16 *(13A)*	n° 2-8 *(46A)* n° 18-12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	●

22 CONTACTS

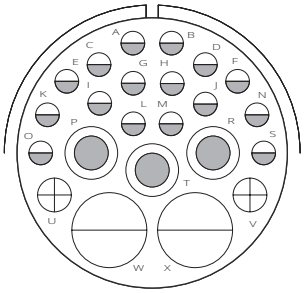


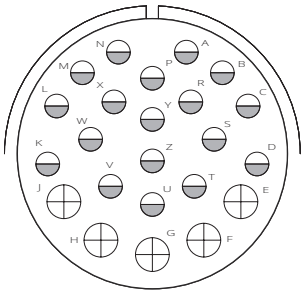




Insert Arrangement	**28-11**	**32A22**	**36A22**
N° of Contacts	22	22	22
Contact Size/ Current rating	n° 4-12 *(23A)* n° 18-16 *(13A)*	12 *(23A)*	12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	-	●

23 CONTACTS



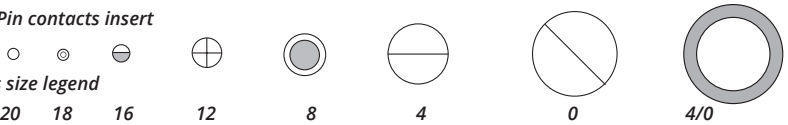


Insert Arrangement	**32-6****	**32-13**
N° of Contacts	23	23
Contact Size/ Current rating	n° 3-4 *(80A)* - n° 2-8 *(46A)* n° 2-12 *(23A)* - n° 16-16 *(13A)*	n° 5-12 *(23A)* n° 18-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	●	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

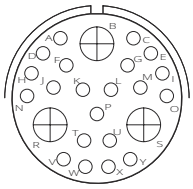
ST Contacts size legend

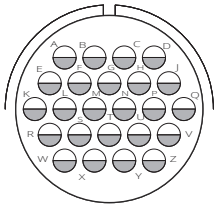


Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

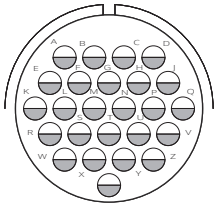
24 CONTACTS



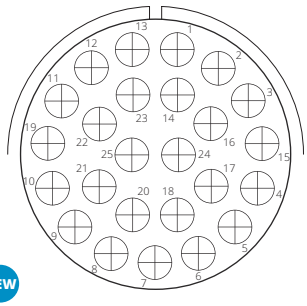


Insert Arrangement	22A24	24-28
N° of Contacts	24	24
Contact Size/ Current rating	n° 3-12 *(23A)* n° 21-20 *(7.5A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	I *250 Vdc 200 Vac*
Grommet	-	●

25 CONTACTS



NEW



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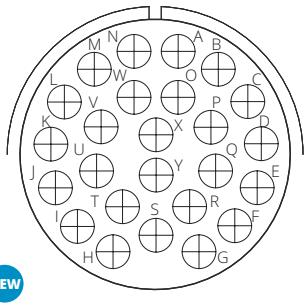
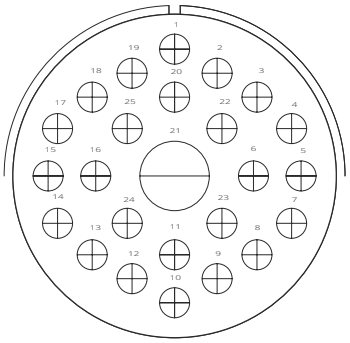
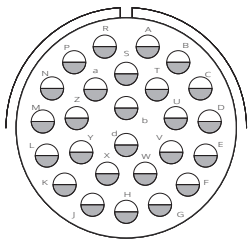


Insert Arrangement	24A25	32A25	32B25
N° of Contacts	25	25	25
Contact Size/ Current rating	16 *(13A)*	12 *(23A)*	12 *(23A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●	-

25 CONTACTS



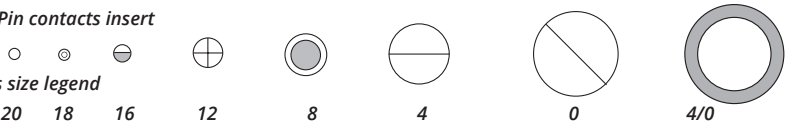
26 CONTACTS



Insert Arrangement	40A25		28-12
N° of Contacts	25		26
Contact Size/ Current rating	n° 1-4 *(80A)* n° 24-12 *(23A)*		16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*		A *700 Vdc 500 Vac*
Grommet	●		●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

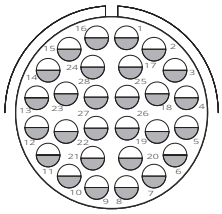
20 18 16 12 8 4 0 4/0

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

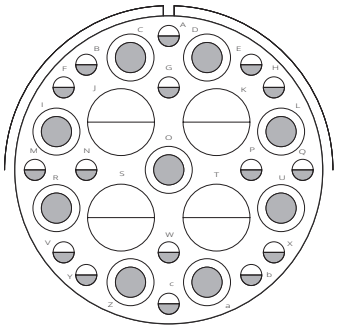
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

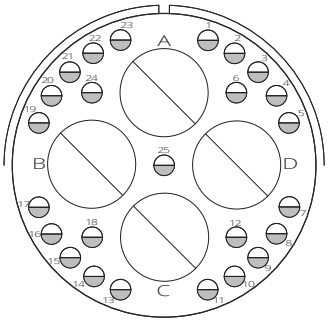
28 CONTACTS



Insert Arrangement	24A28
N° of Contacts	28
Contact Size/ Current rating	16 *(13A)*
Service Rating	I *250 Vdc 200 Vac*
Grommet	●

29 CONTACTS

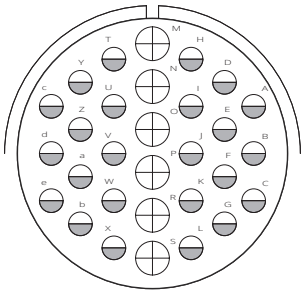


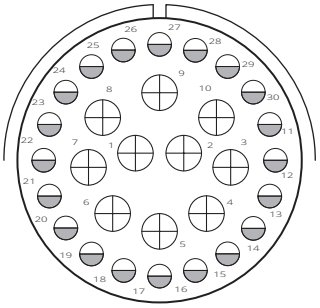


NEW

Insert Arrangement	40-10	40B25
N° of Contacts	29	29
Contact Size/ Current rating	n° 4-4 *(80A)* - n° 9-8 *(46A)* n° 16-16 *(13A)*	n° 4-0 *(150A)* n° 25-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

30 CONTACTS





Insert Arrangement	32-8	32A30
N° of Contacts	30	30
Contact Size/ Current rating	n° 6-12 *(23A)* n° 24-16 *(13A)*	n° 10-12 *(23A)* n° 20-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

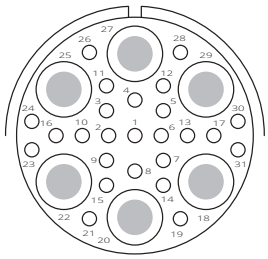
ST Contacts size legend

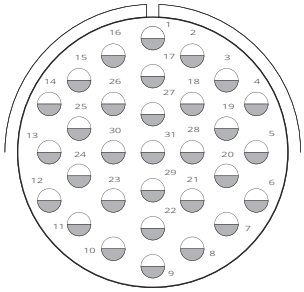
20 18 16 12 8 4 0 4/0

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

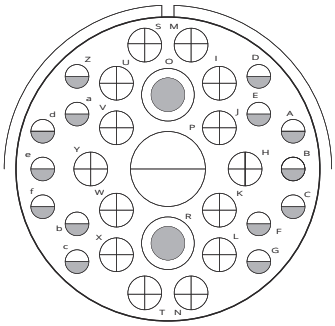
31 CONTACTS

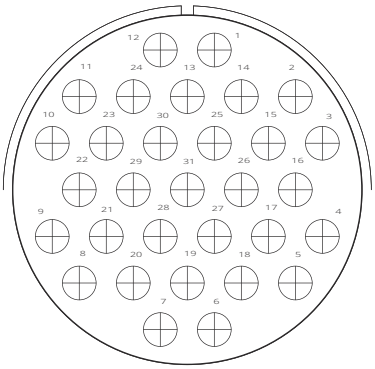




Insert Arrangement	**28A31 (L)**	**32-31**
N° of Contacts	31	31
Contact Size/ Current rating	n° 6-8 *(46A)* n° 25-20 *(7.5A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	-	-

31 CONTACTS

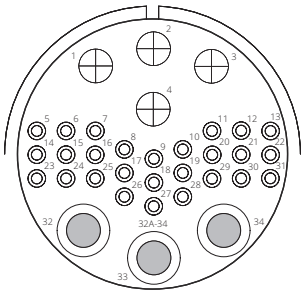




Insert Arrangement	**36-9****	**40A31**
N° of Contacts	31	31
Contact Size/ Current rating	n° 1-4 *(80A)* - n° 2-8 *(46A)* n° 14-12 *(23A)* - n° 14-16 *(13A)*	12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	D *1250 Vdc 900 Vac*
Grommet	-	●

34 CONTACTS

NEW

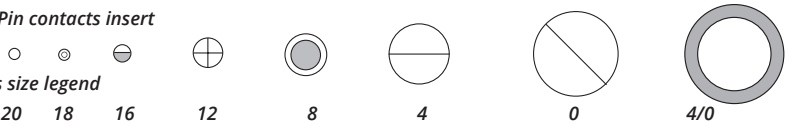


Insert Arrangement	**32A34**
N° of Contacts	34
Contact Size/ Current rating	n° 3-8 *(46A)* n° 4-12 *(23A)* - n° 27-18 *(7.5A)*
Service Rating	1,2,3,4=A - Bal.=I
Grommet	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

ST Contacts size legend

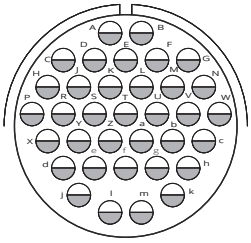


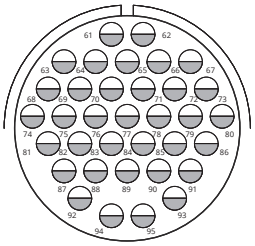
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

35 CONTACTS

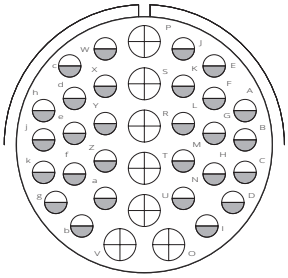


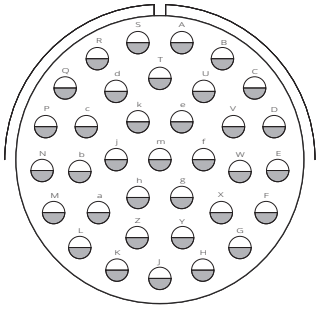


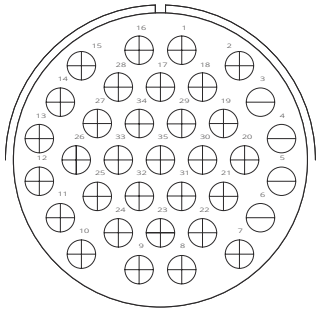
NEW

Insert Arrangement	28-15	28A35
N° of Contacts	35	35
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

35 CONTACTS

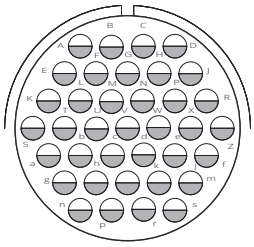


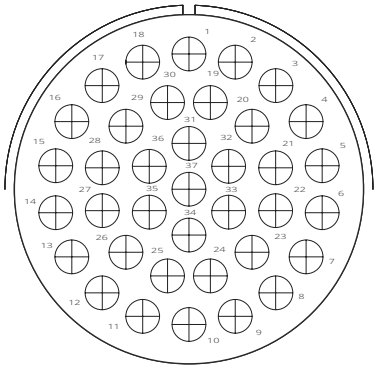




Insert Arrangement	32-7	36-15	40A35
N° of Contacts	35	35	35
Contact Size/ Current rating	n° 7-12 *(23A)* n° 28-16 *(13A)*	16 *(13A)*	12 *(23A)*
Service Rating	A,B,h,j=I - Bal.=A	M=D - Bal.=A	D *1250 Vdc 900 Vac*
Grommet	●	●	●

37 CONTACTS





Insert Arrangement	28-21	40B37
N° of Contacts	37	37
Contact Size/ Current rating	16 *(13A)*	12 *(23A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	-	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

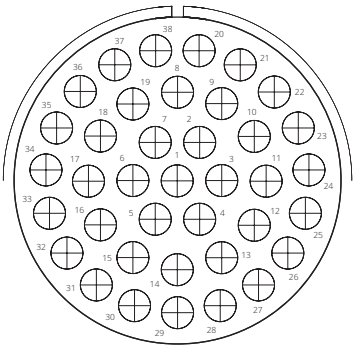
ST Contacts size legend

20 18 16 12 8 4 0 4/0

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

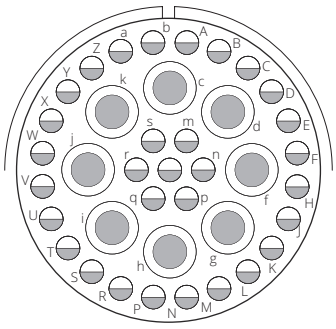
38 CONTACTS



NEW

Insert Arrangement		40A38
N° of Contacts		38
Contact Size/ Current rating		12 *(23A)*
Service Rating		A *700 Vdc 500 Vac*
Grommet		●

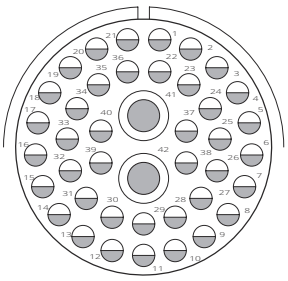
39 CONTACTS



NEW

Insert Arrangement		36B39
N° of Contacts		39
Contact Size/ Current rating		n° 8-8 *(46A)* n° 31-16 *(13A)*
Service Rating		A *700 Vdc 500 Vac*
Grommet		●

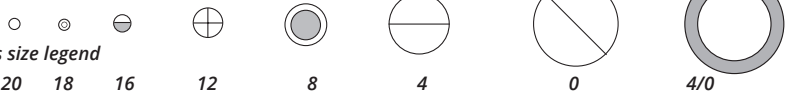
42 CONTACTS



Insert Arrangement		32-59
N° of Contacts		42
Contact Size/ Current rating		n° 2-8 *(46A)* n° 40-16 *(13A)*
Service Rating		A *700 Vdc 500 Vac*
Grommet		●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

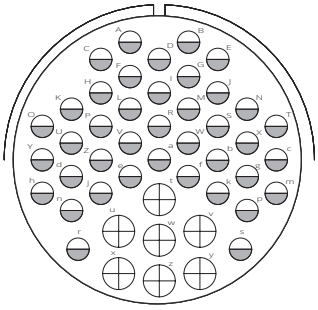
20 18 16 12 8 4 0 4/0

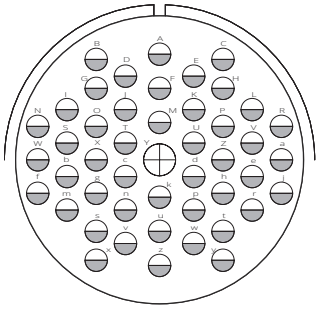
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

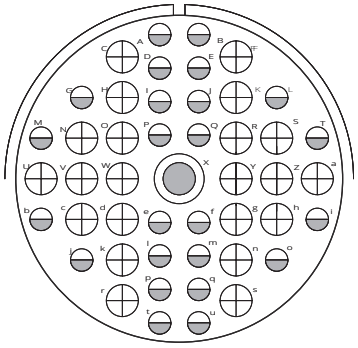
47 CONTACTS

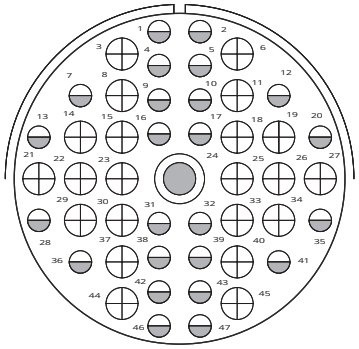




Insert Arrangement	**36-7**	**36-8****
N° of Contacts	47	47
Contact Size/ Current rating	n° 7-12 *(23A)* n° 40-16 *(13A)*	n° 1-12 *(23A)* n° 46-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	-

47 CONTACTS

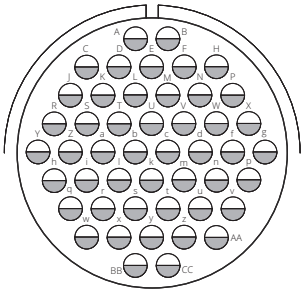


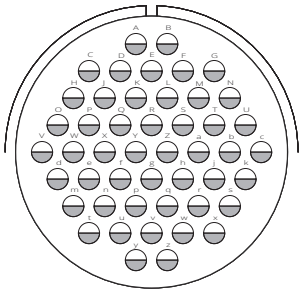


Insert Arrangement	**40-9**	**40A47**
N° of Contacts	47	47
Contact Size/ Current rating	n° 1-8 *(46A)* n° 22-12 *(23A)* n° 24-16 *(13A)*	n° 1-8 *(46A)* n° 22-12 *(23A)* n° 24-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

48 CONTACTS

NEW



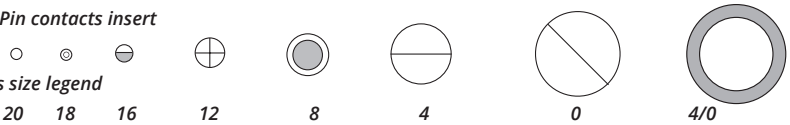


Insert Arrangement	**32A48**	**36-10**
N° of Contacts	48	48
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

ST Contacts size legend

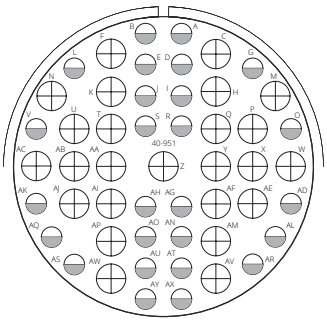


Insulating Inserts and Grommets - List by contacts total quantity

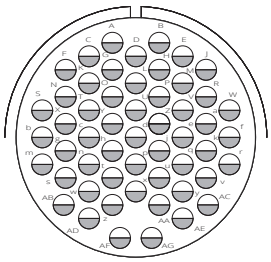
CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

51 CONTACTS

NEW

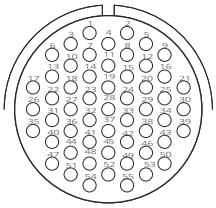


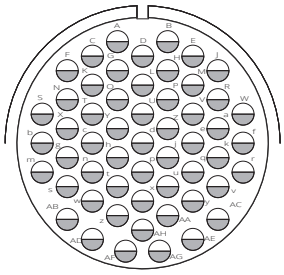
54 CONTACTS



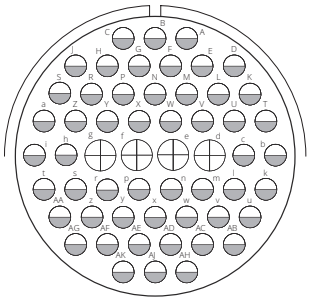
Insert Arrangement	40-951		32-22
N° of Contacts	51		54
Contact Size/ Current rating	n° 25-12 *(23A)* n° 26-16 *(13A)*		16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*		A *700 Vdc 500 Vac*
Grommet	●		●

55 CONTACTS





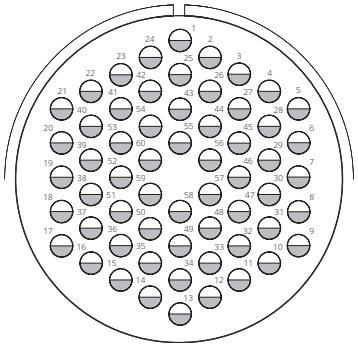
56 CONTACTS

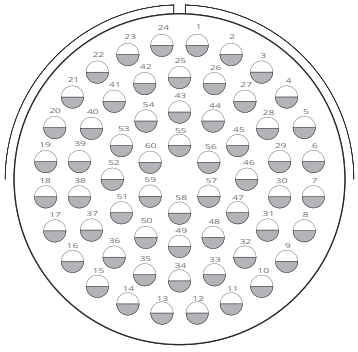


Insert Arrangement	24A55 (S)	32A55		36-66
N° of Contacts	55	55		56
Contact Size/ Current rating	20 *(7.5A)*	16 *(13A)*		n° 4-12 *(23A)* n° 52-16 *(13A)*
Service Rating	I *250 Vdc 200 Vac*	A *700 Vdc 500 Vac*		A *700 Vdc 500 Vac*
Grommet	-	●		●

60 CONTACTS

NEW



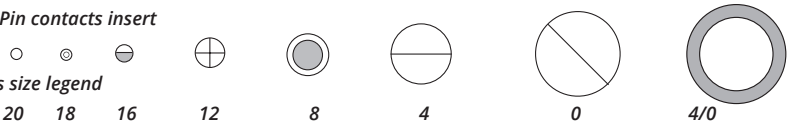


Insert Arrangement	40-62	40A60**
N° of Contacts	60	60
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

ST Contacts size legend

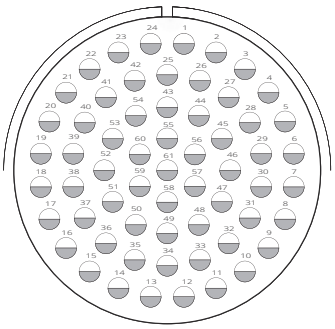


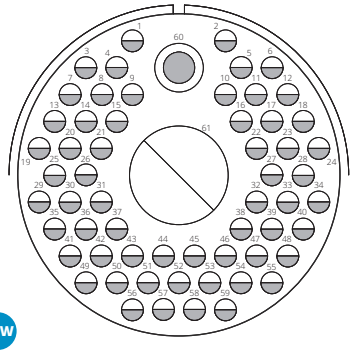
VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

61 CONTACTS

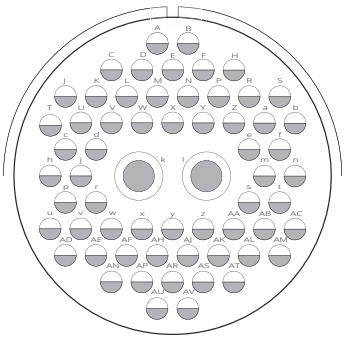




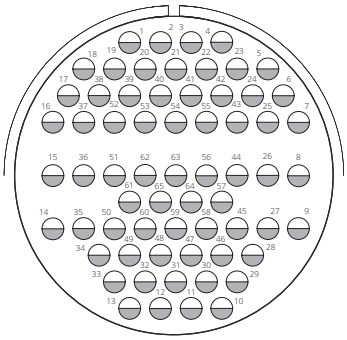
NEW

Insert Arrangement	40-63	40A61
N° of Contacts	61	61
Contact Size/ Current rating	16 *(13A)*	n° 1-0 *(150A)* - n° 1-8 *(46A)* n° 59-16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

62 CONTACTS



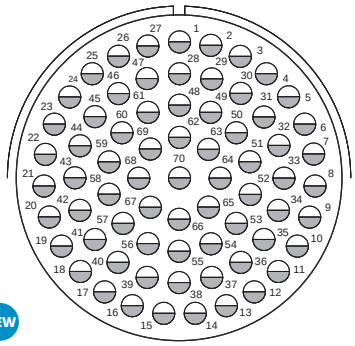
65 CONTACTS



NEW

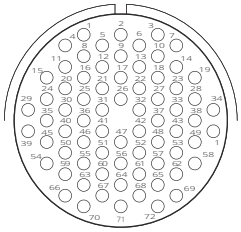
Insert Arrangement	40A62		40A65
N° of Contacts	62		65
Contact Size/ Current rating	n° 2-8 *(46A)* n° 60-16 *(13A)*		16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*		A *700 Vdc 500 Vac*
Grommet	-		●

70 CONTACTS



NEW

72 CONTACTS

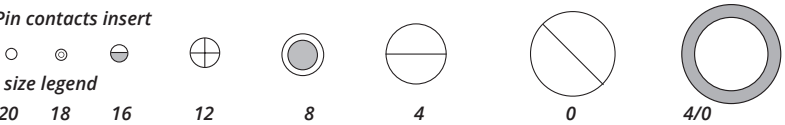


Insert Arrangement	40A70		28-72 (S)
N° of Contacts	70		72
Contact Size/ Current rating	16 *(13A)*		20 *(7.5A)*
Service Rating	A *700 Vdc 500 Vac*		I *250 Vdc 200 Vac*
Grommet	●		-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert

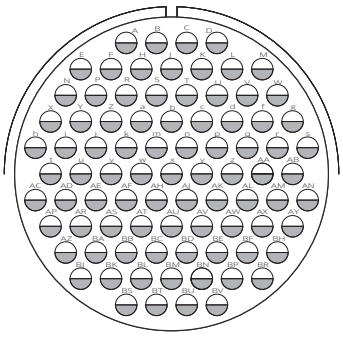
ST Contacts size legend

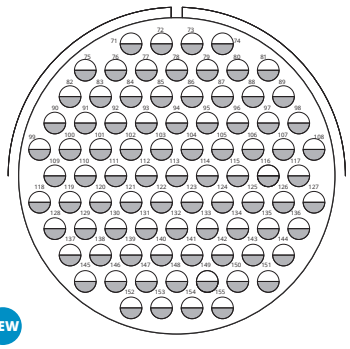


Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

85 CONTACTS

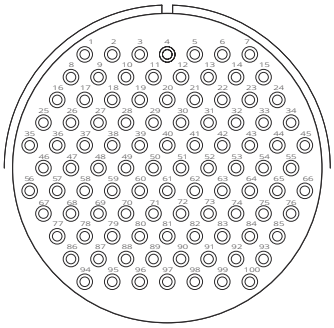




NEW

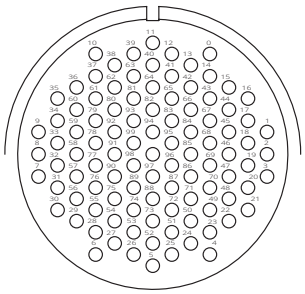
Insert Arrangement	40-56	40A56
N° of Contacts	85	85
Contact Size/ Current rating	16 *(13A)*	16 *(13A)*
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*
Grommet	●	●

100 CONTACTS



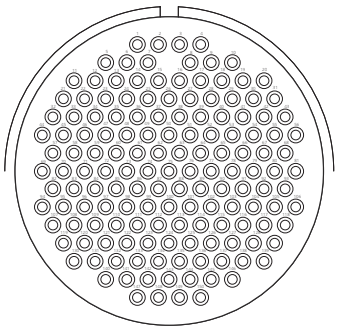
Insert Arrangement	40A100
N° of Contacts	100
Contact Size/ Current rating	18 *(7.5A)*
Service Rating	A *700 Vdc 500 Vac*
Grommet	-

101 CONTACTS



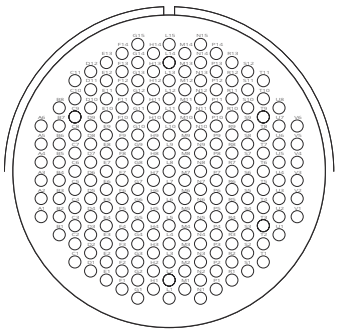
Insert Arrangement	32A101 (S)
N° of Contacts	101
Contact Size/ Current rating	20 *(7.5A)*
Service Rating	I *250 Vdc 200 Vac*
Grommet	-

150 CONTACTS



Insert Arrangement	40A150
N° of Contacts	150
Contact Size/ Current rating	18 *(7.5A)*
Service Rating	I *250 Vdc 200 Vac*
Grommet	-

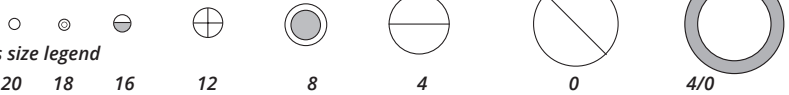
201 CONTACTS



Insert Arrangement	40A201
N° of Contacts	201
Contact Size/ Current rating	20 *(7.5A)*
Service Rating	I *250 Vdc 200 Vac*
Grommet	-

● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(S) Short Insert
(NS) Non Standard Shell Type

Front view Pin contacts insert



ST Contacts size legend

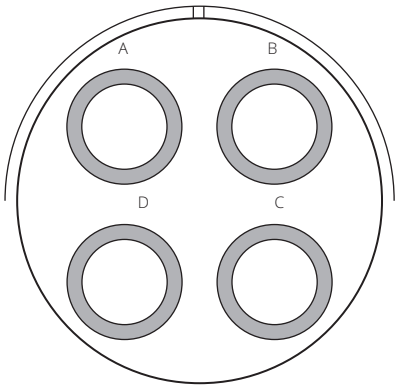
20 18 16 12 8 4 0 4/0

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

GVJ - Inserts Arrangement

4 CONTACTS

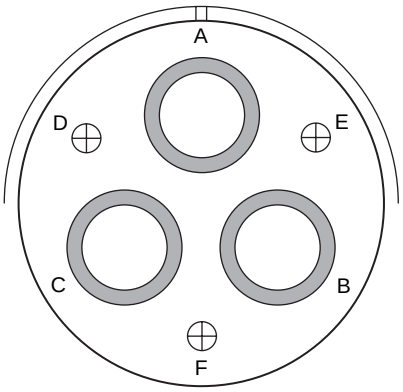


Insert Arrangement	48A4*	
N° of Contacts	4	
Contact Size/ Current rating/ Contact Type	4/0 *(225A)* - KT Contacts	
Service Rating	D *1250 Vdc 900 Vac*	
Grommet	●	

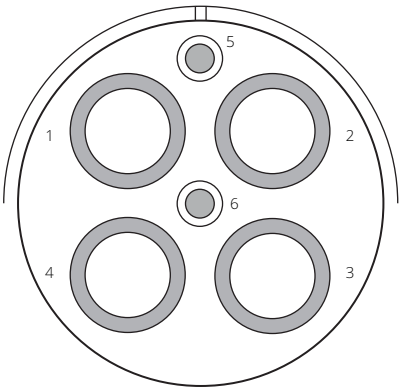
● *Grommet Available*

6 CONTACTS

NEW



NEW



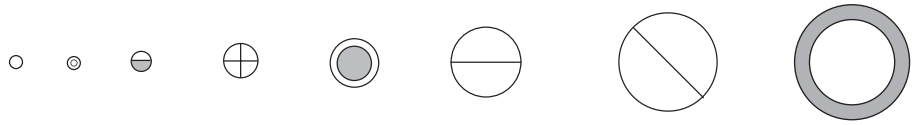
Insert Arrangement	48-6 (L)	48A7*
N° of Contacts	6	6
Contact Size/ Current rating/ Contact Type	n°3-4/0 *(225A)* - ST Contacts n°3-12 *(23A)* - ST Contacts	n°4-4/0 *(225A)* - KT Contacts n°2-8 *(46A)* - KT Contacts
Service Rating	A *700 Vdc 500 Vac*	A *700 Vdc 500 Vac*

ST Contacts for rubber inserts
KT Contacts for thermoplastic inserts

Front view Pin contacts insert

** Thermoplastic material*

(L) Long Insert

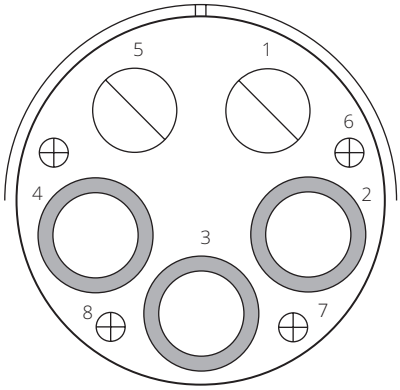


Contacts size legend	*20*	*18*	*16*	*12*	*8*	*4*	*0*	*4/0*

Insulating Inserts and Grommets - List by contacts total quantity

GVJ - Inserts Arrangement

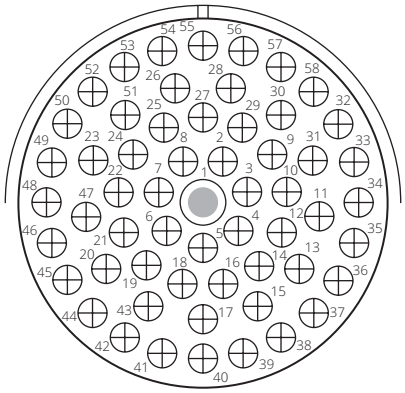
9 CONTACTS



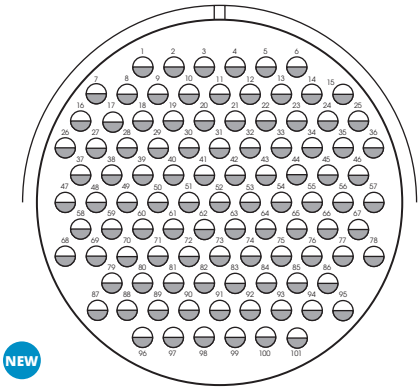
NEW

Insert Arrangement	**48A9 (L)S**	
N° of Contacts	9	
Contact Size/ Current rating/ Contact Type	n°3-4/0 *(225A)* - ST Contacts n°2-0 *(150A)* - ST Contacts n°4-12 *(23A)* - ST Contacts	
Rating Voltage	(PD4 OV3) 400V	

58 CONTACTS



101 CONTACTS



NEW

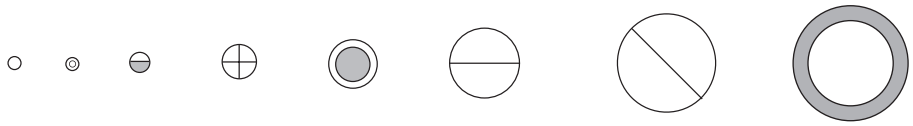
Insert Arrangement	**48A58**		**48A101**
N° of Contacts	58		101
Contact Size/ Current rating/ Contact Type	n°1-8 *(46A)* - ST Contacts n°57-12 *(23A)* - ST Contacts		16 *(13A)* - ST Contacts
Service Rating	A *700 Vdc 500 Vac*		A *700 Vdc 500 Vac*

ST Contacts for rubber inserts
KT Contacts for thermoplastic inserts

Front view Pin contacts insert

** Thermoplastic material*

(L) Long Insert



Contacts size legend	*20*	*18*	*16*	*12*	*8*	*4*	*0*	*4/0*

VanSystem

Insulating Inserts and Grommets - List by Shell size

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
		●	10SL-3 *	3						3			A (700 Vdc - 500 Vac)
		●	10SL-4 *	2						2			A (700 Vdc - 500 Vac)
***			14S-1 *	3						3			A (700 Vdc - 500 Vac)
		●	14S-2 *	4						4			I (250 Vdc - 200 Vac)
		●	14S-5 *	5						5			I (250 Vdc - 200 Vac)
		●	14S-6 *	6						6			I (250 Vdc - 200 Vac)
		●	14S-7 *	3						3			A (700 Vdc - 500 Vac)
		●	14S-9 *	2						2			A (700 Vdc - 500 Vac)
		●	14SA7 *	7						7			I (250 Vdc - 200 Vac)
		●	16S-1 *	7						7			A (700 Vdc - 500 Vac)
		●	16S-4 *	2						2			D (1250 Vdc - 900 Vac)
		●	16S-5 *	3						3			A (700 Vdc - 500 Vac)
			16S-8 *	5						5			A (700 Vdc - 500 Vac)
**			16-2	1					1				E (1750 Vdc - 1250 Vac)
**			16-7	3				1		2			A (700 Vdc - 500 Vac)
			16-9	4					2	2			A (700 Vdc - 500 Vac)
		●	16-10	3					3				A (700 Vdc - 500 Vac)
**			16-11	2					2				A (700 Vdc - 500 Vac)
●			16-12	1			1						A (700 Vdc - 500 Vac)
			16A5	5					2	3			A (700 Vdc - 500 Vac)
**			16A10	10							10		A (700 Vdc - 500 Vac)
		●	18-1	10						10			B,C,F,G=A - Bal.=i
			18-3	2					2				D (1250 Vdc - 900 Vac)
		●	18-4	4						4			D (1250 Vdc - 900 Vac)
			18-5	3					2	1			D (1250 Vdc - 900 Vac)
●			18-06	6					4	2			A (700 Vdc - 500 Vac)
●			18-6	1			1						D (1250 Vdc - 900 Vac)
			18-8	8					1	7			A (700 Vdc - 500 Vac)
			18-9	7					2	5			I (250 Vdc - 200 Vac)
		●	18-10	4					4				A (700 Vdc - 500 Vac)
		●	18-11	5					5				A (700 Vdc - 500 Vac)
		●	18-12	6						6			A (700 Vdc - 500 Vac)
**			18-13	4				1	3				A (700 Vdc - 500 Vac)
**			18-14	2			1			1			A (700 Vdc - 500 Vac)
**			18-16	1					1				C (4200 Vdc - 3000 Vac)
		●	18-19	10						10			A (700 Vdc - 500 Vac)
		●	18-20	5						5			A (700 Vdc - 500 Vac)
		●	18-22	3						3			D (1250 Vdc - 900 Vac)
	L		18A5	5						5			D (1250 Vdc - 900 Vac)
●			20-2	1		1							D (1250 Vdc - 900 Vac)
		●	20-3	3					3				D (1250 Vdc - 900 Vac)
		●	20-4	4					4				D (1250 Vdc - 900 Vac)
		●	20-7	8						8			A,B,H,G=D - Bal.=A
**	NS		20-8	6				2		4			I (250 Vdc - 200 Vac)
			20-11	13						13			I (250 Vdc - 200 Vac)

● *New insert*
● *Grommet Available*

** To be used with 16S contacts size*
*** On request (please consult our Sales Office)*
**** Same as 14S-7S (it is different from MIL-STD-1651 standard)*

(L) Long Insert
(NS) Non Standard Shell Type
(S) Short Insert

Insulating Inserts and Grommets - List by Shell size

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
		●	20-15	7					7				A (700 Vdc - 500 Vac)
**			20-16	9					2	7			A (700 Vdc - 500 Vac)
**			20-17	6					5	1			A (700 Vdc - 500 Vac)
		●	20-18	9					3	6			A (700 Vdc - 500 Vac)
		●	20-19	3				3					A (700 Vdc - 500 Vac)
			20-21	9					1	8			A (700 Vdc - 500 Vac)
**			20-22	6				3		3			A (700 Vdc - 500 Vac)
**			20-23	2				2					A (700 Vdc - 500 Vac)
			20-24	4				2		2			A (700 Vdc - 500 Vac)
		●	20-27	14						14			A (700 Vdc - 500 Vac)
		●	20-29	17						17			A (700 Vdc - 500 Vac)
		●	20-33	11						11			A (700 Vdc - 500 Vac)
		●	20A48	19						19			I (250 Vdc - 200 Vac)
			20B8	8					4	4			A (700 Vdc - 500 Vac)
		●	22-1	2				2					D (1250 Vdc - 900 Vac)
	NS	●	22-2	3				3					D (1250 Vdc - 900 Vac)
**			22-4	4				2	2				A (700 Vdc - 500 Vac)
**			22-5	6					2	4			D (1250 Vdc - 900 Vac)
**			22-6	3				2		1			D (1250 Vdc - 900 Vac)
**			22-7	1		1							E (1750 Vdc - 1250 Vac)
**			22-8	2					2				E (1750 Vdc - 1250 Vac)
**		●	22-9	3					3				E (1750 Vdc - 1250 Vac)
**			22-11	2						2			B (2450 Vdc - 1750 Vac)
**	NS		22-12	5				2		3			D (1250 Vdc - 900 Vac)
		●	22-14	19						19			A (700 Vdc - 500 Vac)
**			22-15	6					5	1			D=E - Bal.=A
**			22-17	9					1	8			A=D - Bal.=A
		●	22-18	8						8			A,B,F,G,H=D - Bal.=A
**	NS	●	22-19	14						14			A (700 Vdc - 500 Vac)
		●	22-21	3		1				2			A (700 Vdc - 500 Vac)
		●	22-22	4				4					A (700 Vdc - 500 Vac)
		●	22-23	8					8				H=D - Bal.=A
**			22-28	7					7				A (700 Vdc - 500 Vac)
●	L	●	22A1	1		1							750V *(according to APTA SS-E-001-98)*
●	L	●	22A3	3					3				B (2450 Vdc - 1750 Vac)
		●	22A10	10						10			A (700 Vdc - 500 Vac)
			22A24	24					3			21	A (700 Vdc - 500 Vac)
		●	24-2	7					7				D (1250 Vdc - 900 Vac)
		●	24-5	16						16			A (700 Vdc - 500 Vac)
**			24-6	8					8				A,G,H=D - Bal.=A
		●	24-7	16					2	14			A (700 Vdc - 500 Vac)
		●	24-9	2			2						A (700 Vdc - 500 Vac)
		●	24-10	7				7					A (700 Vdc - 500 Vac)
		●	24-11	9				3	6				A (700 Vdc - 500 Vac)
●		●	24-12/1	3				3					A (700 Vdc - 500 Vac)

● *New insert*
● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(NS) Non Standard Shell Type
(S) Short Insert

VanSystem

Insulating Inserts and Grommets - List by Shell size

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
			24-12	5			2		3				A (700 Vdc - 500 Vac)
		●	24-19	12						12			A (700 Vdc - 500 Vac)
		●	24-20	11					2	9			D (1250 Vdc - 900 Vac)
**			24-21	10				1		9			D (1250 Vdc - 900 Vac)
		●	24-22	4				4					D (1250 Vdc - 900 Vac)
		●	24-27	7						7			E (1750 Vdc - 1250 Vac)
		●	24-28	24						24			I (250 Vdc - 200 Vac)
**			24-06	6				4		2			D (1250 Vdc - 900 Vac)
			24-67	19					19				A (700 Vdc - 500 Vac)
**			24A7	7					7				D (1250 Vdc - 900 Vac)
	L		24A16	16						16			D (1250 Vdc - 900 Vac)
		●	24A25	25						25			I (250 Vdc - 200 Vac)
		●	24A28	28						28			I (250 Vdc - 200 Vac)
	S		24A55	55								55	I (250 Vdc - 200 Vac)
		●	28-1	9				3	6				A,J,E=D - Bal.=A
			28-2	14					2	12			D (1250 Vdc - 900 Vac)
		●	28-3	3				3					E (1750 Vdc - 1250 Vac)
			28-5	5			2		1	2			D (1250 Vdc - 900 Vac)
		●	28-6	3			3						D (1250 Vdc - 900 Vac)
**			28-9	12					6	6			D (1250 Vdc - 900 Vac)
			28-10	7			2	2	3				G=D - Bal.=A
		●	28-11	22					4	18			A (700 Vdc - 500 Vac)
		●	28-12	26						26			A (700 Vdc - 500 Vac)
		●	28-15	35						35			A (700 Vdc - 500 Vac)
		●	28-16	20						20			A (700 Vdc - 500 Vac)
**			28-17	15						15			M,N,P=D - R=B - Bal.=A
		●	28-18	12						12			M=C - A,B=A - G,H,J,K,L=D - Bal.=I
**			28-19	10					4	6			H,M=B - A,B=D - Bal.=A
**			28-20	14					10	4			A (700 Vdc - 500 Vac)
		●	28-21	37						37			A (700 Vdc - 500 Vac)
			28-22	6			3			3			D (1250 Vdc - 900 Vac)
	L	●	28-51	12					12				D (1250 Vdc - 900 Vac)
	S		28-72	72								72	I (250 Vdc - 200 Vac)
●	L		28A1	1	1								750V OV4 PD4
●	L	●	28A3	3				3					B (2450 Vdc - 1750 Vac)
			28A9	9			4			5			A (700 Vdc - 500 Vac)
			28A14	14					14				D (1250 Vdc - 900 Vac)
●		●	28A16	16				2	14				A (700 Vdc - 500 Vac)
	L		28A31	31				6				25	A (700 Vdc - 500 Vac)
●		●	28A35	35						35			A (700 Vdc - 500 Vac)
●	L	●	28B8	8					8				750V *(according to APTA SS-E-001-98)*
		●	32-1	5		2			3				A=E - Bal.=D
**			32-2	5			3			2			E (1750 Vdc - 1250 Vac)
		●	32-5	2		2							D (1250 Vdc - 900 Vac)
**		●	32-6	23			2	3	2	16			A (700 Vdc - 500 Vac)

● *New insert*
● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(NS) Non Standard Shell Type
(S) Short Insert

Insulating Inserts and Grommets - List by Shell size

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
		●	32-7	35					7	28			A,B,h,j=I - Bal.=A
		●	32-8	30					6	24			A (700 Vdc - 500 Vac)
			32-13	23					5	18			D (1250 Vdc - 900 Vac)
			32-15	8		2			6				D (1250 Vdc - 900 Vac)
			32-17	4			4						D (1250 Vdc - 900 Vac)
		●	32-22	54						54			A (700 Vdc - 500 Vac)
			32-31	31						31			A (700 Vdc - 500 Vac)
		●	32-59	42				2		40			A (700 Vdc - 500 Vac)
			32-68	16			4			12			A (700 Vdc - 500 Vac)
**			32-76	19					19				A (700 Vdc - 500 Vac)
●		●	32-79	5			4	1					D (1250 Vdc - 900 Vac)
●	L	●	32A3	3			3						E (1750 Vdc - 1250 Vac)
	L		32A5	5			5						D (1250 Vdc - 900 Vac)
			32A9	9			3			6			A (700 Vdc - 500 Vac)
		●	32A13	13					13				D (1250 Vdc - 900 Vac)
**			32A17	17				10				7	A (700 Vdc - 500 Vac)
			32A22	22					22				A (700 Vdc - 500 Vac)
●		●	32A25	25					25				A (700 Vdc - 500 Vac)
		●	32A30	30					10	20			A (700 Vdc - 500 Vac)
●			32A34	34				3	4		27		1,2,3,4=A - Bal.=I
●		●	32A48	48						48			I (250 Vdc - 200 Vac)
		●	32A55	55						55			A (700 Vdc - 500 Vac)
	S		32A101	101								101	I (250 Vdc - 200 Vac)
**		●	32B13	13				13					A (700 Vdc - 500 Vac)
●			32B25	25					25				A (700 Vdc - 500 Vac)
		●	36-3	6		3			3				D (1250 Vdc - 900 Vac)
●		●	36-4	3		3							A=D - B/C=A
			36-5	4		4							A (700 Vdc - 500 Vac)
**			36-6	6		2	4						A (700 Vdc - 500 Vac)
		●	36-7	47					7	40			A (700 Vdc - 500 Vac)
**			36-8	47					1	46			A (700 Vdc - 500 Vac)
**			36-9	31			1	2	14	14			A (700 Vdc - 500 Vac)
		●	36-10	48						48			A (700 Vdc - 500 Vac)
		●	36-15	35						35			M=D - Bal.=A
●			36-66	56					4	52			A (700 Vdc - 500 Vac)
●		●	36-77	7			7						D (1250 Vdc - 900 Vac)
●	L	●	36A7	7			7						B (2450 Vdc - 1750 Vac)
●	L		36A10	10			2	8					A (700 Vdc - 500 Vac)
		●	36A22	22					22				D (1250 Vdc - 900 Vac)
●		●	36B39	39				8		31			A (700 Vdc - 500 Vac)
●		●	36D78	14				10		4			D (1250 Vdc - 900 Vac)
		●	40-9	47				1	22	24			A (700 Vdc - 500 Vac)
		●	40-10	29			4	9		16			A (700 Vdc - 500 Vac)
		●	40-56	85						85			A (700 Vdc - 500 Vac)
●		●	40-62	60						60			A (700 Vdc - 500 Vac)

● *New insert* (L) *Long Insert* (S) *Short Insert*

● *Grommet Available* ** *On request (please consult our Sales Office)* (NS) *Non Standard Shell Type*

VanSystem

Insulating Inserts and Grommets - List by Shell size

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating								Service Rating
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
		●	40-63	61						61			A (700 Vdc - 500 Vac)
●		●	40-951	51					25	26			A (700 Vdc - 500 Vac)
	L		40A3	3			3						E (1750 Vdc - 1250 Vac)
	L		40A4	4		4							E (1750 Vdc - 1250 Vac)
			40A5	5		5							A (700 Vdc - 500 Vac)
		●	40A8	8		4				4			E (1750 Vdc - 1250 Vac)
		●	40A10	8			4			4			D (1250 Vdc - 900 Vac)
●	L		40A11	11		5			6				B,N,T3,S2,R1,≒=D - Bal.=A
		●	40A14	14			8		6				A (700 Vdc - 500 Vac)
		●	40A20	20				2	18				D (1250 Vdc - 900 Vac)
		●	40A25	25			1		24				A (700 Vdc - 500 Vac)
		●	40A31	31					31				D (1250 Vdc - 900 Vac)
		●	40A35	35					35				D (1250 Vdc - 900 Vac)
●		●	40A38	38					38				A (700 Vdc - 500 Vac)
		●	40A47	47				1	22	24			A (700 Vdc - 500 Vac)
●		●	40A56	85						85			A (700 Vdc - 500 Vac)
**		●	40A60	60						60			A (700 Vdc - 500 Vac)
●		●	40A61	61		1		1		59			A (700 Vdc - 500 Vac)
			40A62	62				2		60			A (700 Vdc - 500 Vac)
●		●	40A65	65						65			A (700 Vdc - 500 Vac)
●		●	40A70	70						70			A (700 Vdc - 500 Vac)
			40A100	100							100		A (700 Vdc - 500 Vac)
			40A150	150							150		I (250 Vdc - 200 Vac)
			40A201	201								201	I (250 Vdc - 200 Vac)
	L		40B3	5		3			2				A (700 Vdc - 500 Vac)
●		●	40B6	6		5	1						A (700 Vdc - 500 Vac)
●	L	●	40B7	8			1	7					750V *(according to APTA SS-E-001-98)*
●		●	40B10	10			10						A (700 Vdc - 500 Vac)
●		●	40B25	29		4				25			A (700 Vdc - 500 Vac)
			40B37	37					37				A (700 Vdc - 500 Vac)
**	L		40C3	3		3							B (2450 Vdc - 1750 Vac)
●	L		40C6	6		3			3				B (2450 Vdc - 1750 Vac)
●		●	40D3	3	3								A (700 Vdc - 500 Vac)

GVJ - Inserts Arrangement

		Grommet	Inserts Arrangement	N. Total / Contacts Type	Contacts Size/Current Rating								Service Rating Code
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
●	L		48-6	6 / ST	3				3				A (700 Vdc - 500 Vac)
		●	48A4 *	4 / KT	4								D (1250 Vdc - 900 Vac)
●			48A7 *	6 / KT	4			2					A (700 Vdc - 500 Vac)
●	L		48A9	9 / ST	3	2			4				(PD4 OV3) 400V
			48A58	58 / ST				1	57				A (700 Vdc - 500 Vac)
●			48A101	101 / ST						101			A (700 Vdc - 500 Vac)

● *New insert* ● *Grommet Available* *ST Contacts for rubber inserts* *KT Contacts for thermoplastic inserts* * *Thermoplastic material* ** *On request (please consult our Sales Office)* *(L) Long Insert* *(NS) Non Standard Shell Type* *(S) Short Insert*

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating								Service Rating
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
**			16-2	1					1				E (1750 Vdc - 1250 Vac)
●			16-12	1			1						A (700 Vdc - 500 Vac)
●			18-6	1			1						D (1250 Vdc - 900 Vac)
**			18-16	1					1				C (4200 Vdc - 3000 Vac)
●			20-2	1		1							D (1250 Vdc - 900 Vac)
**			22-7	1		1							E (1750 Vdc - 1250 Vac)
●	L	●	22A1	1		1							750V *(according to APTA SS-E-001-98)*
●	L		28A1	1	1								750V OV4 PD4
		●	10SL-4 *	2						2			A (700 Vdc - 500 Vac)
		●	14S-9 *	2						2			A (700 Vdc - 500 Vac)
		●	16S-4 *	2						2			D (1250 Vdc - 900 Vac)
**			16-11	2					2				A (700 Vdc - 500 Vac)
			18-3	2					2				D (1250 Vdc - 900 Vac)
**			18-14	2			1			1			A (700 Vdc - 500 Vac)
**			20-23	2				2					A (700 Vdc - 500 Vac)
		●	22-1	2				2					D (1250 Vdc - 900 Vac)
**			22-8	2					2				E (1750 Vdc - 1250 Vac)
**			22-11	2						2			B (2450 Vdc - 1750 Vac)
		●	24-9	2			2						A (700 Vdc - 500 Vac)
		●	32-5	2		2							D (1250 Vdc - 900 Vac)
		●	10SL-3 *	3						3			A (700 Vdc - 500 Vac)
***			14S-1 *	3						3			A (700 Vdc - 500 Vac)
		●	14S-7 *	3						3			A (700 Vdc - 500 Vac)
		●	16S-5 *	3						3			A (700 Vdc - 500 Vac)
**			16-7	3				1		2			A (700 Vdc - 500 Vac)
		●	16-10	3					3				A (700 Vdc - 500 Vac)
			18-5	3					2	1			D (1250 Vdc - 900 Vac)
		●	18-22	3						3			D (1250 Vdc - 900 Vac)
		●	20-3	3					3				D (1250 Vdc - 900 Vac)
		●	20-19	3				3					A (700 Vdc - 500 Vac)
	NS	●	22-2	3				3					D (1250 Vdc - 900 Vac)
**			22-6	3				2		1			D (1250 Vdc - 900 Vac)
**		●	22-9	3					3				E (1750 Vdc - 1250 Vac)
		●	22-21	3		1				2			A (700 Vdc - 500 Vac)
●	L	●	22A3	3					3				B (2450 Vdc - 1750 Vac)
●		●	24-12/1	3				3					A (700 Vdc - 500 Vac)
		●	28-3	3				3					E (1750 Vdc - 1250 Vac)
		●	28-6	3			3						D (1250 Vdc - 900 Vac)
●	L	●	28A3	3				3					B (2450 Vdc - 1750 Vac)
●	L	●	32A3	3			3						E (1750 Vdc - 1250 Vac)
●		●	36-4	3		3							A =D - B/C=A
	L		40A3	3			3						E (1750 Vdc - 1250 Vac)
**	L		40C3	3		3							B (2450 Vdc - 1750 Vac)
●		●	40D3	3	3								A (700 Vdc - 500 Vac)
		●	14S-2 *	4						4			I (250 Vdc - 200 Vac)

● *New insert*
● *Grommet Available*

** To be used with 16S contacts size*
*** On request (please consult our Sales Office)*
**** Same as 14S-7S (it is different from MIL-STD-1651 standard)*

(L) Long Insert
(NS) Non Standard Shell Type
(S) Short Insert

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
			16-9	4					2	2			A (700 Vdc - 500 Vac)
		●	18-4	4						4			D (1250 Vdc - 900 Vac)
		●	18-10	4					4				A (700 Vdc - 500 Vac)
**			18-13	4				1	3				A (700 Vdc - 500 Vac)
		●	20-4	4					4				D (1250 Vdc - 900 Vac)
			20-24	4				2		2			A (700 Vdc - 500 Vac)
**			22-4	4				2	2				A (700 Vdc - 500 Vac)
		●	22-22	4				4					A (700 Vdc - 500 Vac)
		●	24-22	4				4					D (1250 Vdc - 900 Vac)
			32-17	4			4						D (1250 Vdc - 900 Vac)
			36-5	4		4							A (700 Vdc - 500 Vac)
	L		40A4	4		4							E (1750 Vdc - 1250 Vac)
		●	14S-5 *	5						5			I (250 Vdc - 200 Vac)
			16S-8 *	5						5			A (700 Vdc - 500 Vac)
			16A5	5					2	3			A (700 Vdc - 500 Vac)
		●	18-11	5					5				A (700 Vdc - 500 Vac)
		●	18-20	5						5			A (700 Vdc - 500 Vac)
	L		18A5	5						5			D (1250 Vdc - 900 Vac)
**	NS		22-12	5				2		3			D (1250 Vdc - 900 Vac)
			24-12	5			2		3				A (700 Vdc - 500 Vac)
			28-5	5			2		1	2			D (1250 Vdc - 900 Vac)
		●	32-1	5		2			3				A =E - Bal.=D
**			32-2	5			3			2			E (1750 Vdc - 1250 Vac)
●		●	32-79	5			4	1					D (1250 Vdc - 900 Vac)
	L		32A5	5			5						D (1250 Vdc - 900 Vac)
			40A5	5		5							A (700 Vdc - 500 Vac)
	L		40B3	5		3			2				A (700 Vdc - 500 Vac)
		●	14S-6 *	6						6			I (250 Vdc - 200 Vac)
●			18-06	6					4	2			A (700 Vdc - 500 Vac)
		●	18-12	6						6			A (700 Vdc - 500 Vac)
**	NS		20-8	6				2		4			I (250 Vdc - 200 Vac)
**			20-17	6					5	1			A (700 Vdc - 500 Vac)
**			20-22	6				3		3			A (700 Vdc - 500 Vac)
**			22-5	6					2	4			D (1250 Vdc - 900 Vac)
**			22-15	6					5	1			D=E - Bal.=A
**			24-06	6				4		2			D (1250 Vdc - 900 Vac)
			28-22	6			3			3			D (1250 Vdc - 900 Vac)
		●	36-3	6		3			3				D (1250 Vdc - 900 Vac)
**			36-6	6		2	4						A (700 Vdc - 500 Vac)
●		●	40B6	6		5	1						A (700 Vdc - 500 Vac)
●	L		40C6	6		3			3				B (2450 Vdc - 1750 Vac)
		●	14SA7 *	7						7			I (250 Vdc - 200 Vac)
		●	16S-1 *	7						7			A (700 Vdc - 500 Vac)
			18-9	7					2	5			I (250 Vdc - 200 Vac)
		●	20-15	7					7				A (700 Vdc - 500 Vac)

● *New insert* ● *Grommet Available* * *To be used with 16S contacts size* ** *On request (please consult our Sales Office)* *(L) Long Insert* *(NS) Non Standard Shell Type* *(S) Short Insert*

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating 4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	Service Rating
**			22-28	7					7				A (700 Vdc - 500 Vac)
		●	24-2	7					7				D (1250 Vdc - 900 Vac)
		●	24-10	7				7					A (700 Vdc - 500 Vac)
		●	24-27	7						7			E (1750 Vdc - 1250 Vac)
**			24A7	7					7				D (1250 Vdc - 900 Vac)
			28-10	7			2	2	3				G=D - Bal.=A
●		●	36-77	7			7						D (1250 Vdc - 900 Vac)
●	L	●	36A7	7			7						B (2450 Vdc - 1750 Vac)
			18-8	8					1	7			A (700 Vdc - 500 Vac)
		●	20-7	8						8			A B,H,G=D - Bal.=A
			20B8	8					4	4			A (700 Vdc - 500 Vac)
		●	22-18	8						8			A,B,F,G,H=D - Bal.=A
		●	22-23	8					8				H=D - Bal.=A
**			24-6	8					8				A,G,H=D - Bal.=A
●	L	●	28B8	8					8				750V *(according to APTA SS-E-001-98)*
			32-15	8		2			6				D (1250 Vdc - 900 Vac)
		●	40A8	8		4				4			E (1750 Vdc - 1250 Vac)
		●	40A10	8			4			4			D (1250 Vdc - 900 Vac)
●	L	●	40B7	8			1	7					750V *(according to APTA SS-E-001-98)*
**			20-16	9					2	7			A (700 Vdc - 500 Vac)
		●	20-18	9					3	6			A (700 Vdc - 500 Vac)
**			20-21	9					1	8			A (700 Vdc - 500 Vac)
**			22-17	9					1	8			A=D - Bal.=A
		●	24-11	9				3	6				A (700 Vdc - 500 Vac)
		●	28-1	9				3	6				A,J,E=D - Bal.=A
			28A9	9			4			5			A (700 Vdc - 500 Vac)
			32A9	9			3			6			A (700 Vdc - 500 Vac)
**			16A10	10							10		A (700 Vdc - 500 Vac)
		●	18-1	10						10			B,C,F,G=A - Bal.=i
		●	18-19	10						10			A (700 Vdc - 500 Vac)
		●	22A10	10						10			A (700 Vdc - 500 Vac)
**			24-21	10				1		9			D (1250 Vdc - 900 Vac)
**			28-19	10					4	6			H,M=B - A,B=D - Bal.=A
●	L		36A10	10			2	8					A (700 Vdc - 500 Vac)
●		●	40B10	10			10						A (700 Vdc - 500 Vac)
		●	20-33	11						11			A (700 Vdc - 500 Vac)
		●	24-20	11					2	9			D (1250 Vdc - 900 Vac)
●	L		40A11	11		5			6				B,N,T3,S2,R1,⏚=D - Bal.=A
		●	24-19	12						12			A (700 Vdc - 500 Vac)
**			28-9	12					6	6			D (1250 Vdc - 900 Vac)
		●	28-18	12						12			M=C - A,B=A - G,H,J,K,L=D - Bal.=I
	L	●	28-51	12					12				D (1250 Vdc - 900 Vac)
			20-11	13						13			I (250 Vdc - 200 Vac)
		●	32A13	13					13				D (1250 Vdc - 900 Vac)
**		●	32B13	13				13					A (700 Vdc - 500 Vac)

● *New insert* (L) *Long Insert* (S) *Short Insert*

● *Grommet Available* ** *On request (please consult our Sales Office)* (NS) *Non Standard Shell Type*

VanSystem

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating								Service Rating
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
		●	20-27	14						14			A (700 Vdc - 500 Vac)
**	NS	●	22-19	14						14			A (700 Vdc - 500 Vac)
			28-2	14					2	12			D (1250 Vdc - 900 Vac)
**			28-20	14					10	4			A (700 Vdc - 500 Vac)
			28A14	14					14				D (1250 Vdc - 900 Vac)
●		●	36D78	14				10		4			D (1250 Vdc - 900 Vac)
		●	40A14	14			8		6				A (700 Vdc - 500 Vac)
**			28-17	15						15			M,N,P=D - R=B - Bal.=A
		●	24-5	16						16			A (700 Vdc - 500 Vac)
		●	24-7	16					2	14			A (700 Vdc - 500 Vac)
	L		24A16	16						16			D (1250 Vdc - 900 Vac)
●		●	28A16	16				2	14				A (700 Vdc - 500 Vac)
			32-68	16			4			12			A (700 Vdc - 500 Vac)
		●	20-29	17						17			A (700 Vdc - 500 Vac)
**			32A17	17				10				7	A (700 Vdc - 500 Vac)
		●	20A48	19						19			I (250 Vdc - 200 Vac)
		●	22-14	19						19			A (700 Vdc - 500 Vac)
			24-67	19					19				A (700 Vdc - 500 Vac)
**			32-76	19					19				A (700 Vdc - 500 Vac)
		●	28-16	20						20			A (700 Vdc - 500 Vac)
		●	40A20	20				2	18				D (1250 Vdc - 900 Vac)
		●	28-11	22					4	18			A (700 Vdc - 500 Vac)
			32A22	22					22				A (700 Vdc - 500 Vac)
		●	36A22	22					22				D (1250 Vdc - 900 Vac)
**		●	32-6	23			2	3	2	16			A (700 Vdc - 500 Vac)
			32-13	23					5	18			D (1250 Vdc - 900 Vac)
			22A24	24					3			21	A (700 Vdc - 500 Vac)
		●	24-28	24						24			I (250 Vdc - 200 Vac)
		●	24A25	25						25			I (250 Vdc - 200 Vac)
●		●	32A25	25					25				A (700 Vdc - 500 Vac)
●			32B25	25					25				A (700 Vdc - 500 Vac)
		●	40A25	25			1		24				A (700 Vdc - 500 Vac)
		●	28-12	26						26			A (700 Vdc - 500 Vac)
		●	24A28	28						28			I (250 Vdc - 200 Vac)
		●	40-10	29			4	9		16			A (700 Vdc - 500 Vac)
●		●	40B25	29		4				25			A (700 Vdc - 500 Vac)
		●	32-8	30					6	24			A (700 Vdc - 500 Vac)
		●	32A30	30					10	20			A (700 Vdc - 500 Vac)
	L		28A31	31				6				25	A (700 Vdc - 500 Vac)
			32-31	31						31			A (700 Vdc - 500 Vac)
**			36-9	31			1	2	14	14			A (700 Vdc - 500 Vac)
		●	40A31	31					31				D (1250 Vdc - 900 Vac)
●			32A34	34				3	4		27		1,2,3,4=A - Bal.=I
		●	28-15	35						35			A (700 Vdc - 500 Vac)
●		●	28A35	35						35			A (700 Vdc - 500 Vac)

● *New insert*
● *Grommet Available*
*** On request (please consult our Sales Office)*
(L) Long Insert
(NS) Non Standard Shell Type
(S) Short Insert

Insulating Inserts and Grommets - List by contacts total quantity

CVS-CVB-CVBS-CVBSG-CVBR - Inserts Arrangement

		Grommet	Inserts Arrangement	N° of Contacts	Contacts Size/Current Rating								Service Rating
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
		●	32-7	35					7	28			A,B,h,j=I - Bal.=A
		●	36-15	35						35			M=D - Bal.=A
		●	40A35	35					35				D (1250 Vdc - 900 Vac)
		●	28-21	37						37			A (700 Vdc - 500 Vac)
			40B37	37					37				A (700 Vdc - 500 Vac)
●		●	40A38	38					38				A (700 Vdc - 500 Vac)
●		●	36B39	39				8		31			A (700 Vdc - 500 Vac)
		●	32-59	42				2		40			A (700 Vdc - 500 Vac)
		●	36-7	47					7	40			A (700 Vdc - 500 Vac)
**			36-8	47					1	46			A (700 Vdc - 500 Vac)
		●	40-9	47				1	22	24			A (700 Vdc - 500 Vac)
		●	40A47	47				1	22	24			A (700 Vdc - 500 Vac)
●		●	32A48	48						48			I (250 Vdc - 200 Vac)
		●	36-10	48						48			A (700 Vdc - 500 Vac)
●		●	40-951	51					25	26			A (700 Vdc - 500 Vac)
		●	32-22	54						54			A (700 Vdc - 500 Vac)
	S		24A55	55								55	I (250 Vdc - 200 Vac)
		●	32A55	55						55			A (700 Vdc - 500 Vac)
●			36-66	56					4	52			A (700 Vdc - 500 Vac)
●		●	40-62	60						60			A (700 Vdc - 500 Vac)
**		●	40A60	60						60			A (700 Vdc - 500 Vac)
		●	40-63	61						61			A (700 Vdc - 500 Vac)
●		●	40A61	61		1		1		59			A (700 Vdc - 500 Vac)
			40A62	62				2		60			A (700 Vdc - 500 Vac)
●		●	40A65	65						65			A (700 Vdc - 500 Vac)
●		●	40A70	70						70			A (700 Vdc - 500 Vac)
	S		28-72	72								72	I (250 Vdc - 200 Vac)
		●	40-56	85						85			A (700 Vdc - 500 Vac)
●		●	40A56	85						85			A (700 Vdc - 500 Vac)
			40A100	100							100		A (700 Vdc - 500 Vac)
	S		32A101	101								101	I (250 Vdc - 200 Vac)
			40A150	150							150		I (250 Vdc - 200 Vac)
			40A201	201								201	I (250 Vdc - 200 Vac)

GVJ - Inserts Arrangement

		Grommet	Inserts Arrangement	N. Total/ Contacts Type	Contacts Size/Current Rating								Service Rating Code
					4/0 225A	0 150A	4 80A	8 46A	12 23A	16 13A	18 7.5A	20 7.5A	
		●	48A4 *	4 / KT	4								D (1250 Vdc - 900 Vac)
●	L		48-6	6 / ST	3				3				A (700 Vdc - 500 Vac)
●			48A7 *	6 / KT	4			2					A (700 Vdc - 500 Vac)
●	L		48A9	9 / ST	3	2			4				(PD4 OV3) 400V
			48A58	58 / ST				1	57				A (700 Vdc - 500 Vac)
●			48A101	101 / ST						101			A (700 Vdc - 500 Vac)

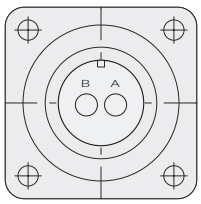
● *New insert* ● *Grommet Available* *ST Contacts for rubber inserts* *KT Contacts for thermoplastic inserts* * *Thermoplastic material* ** *On request (please consult our Sales Office)* *(L) Long Insert* *(NS) Non Standard Shell Type* *(S) Short Insert*

VanSystem

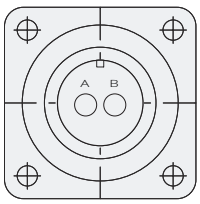
Alternate Insert Positions

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

When more than one connector with the same arrangement is mounted on the same panel, it is advisable to orientate the connector. This means to rotate the insert with respect to the polarization key so that the connector can only be mated with the correct mating half.

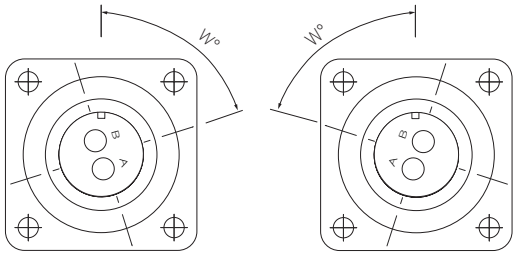


Front view mating side
Pin insert
Insert rotation



Front view mating side
Socket insert
Insert rotation

W



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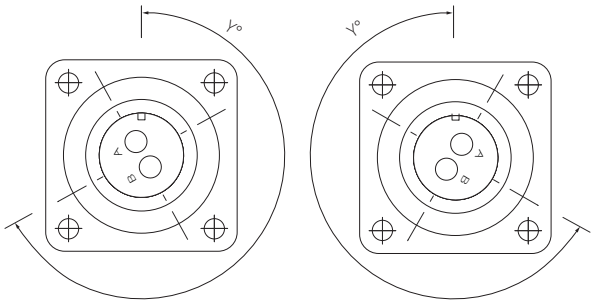

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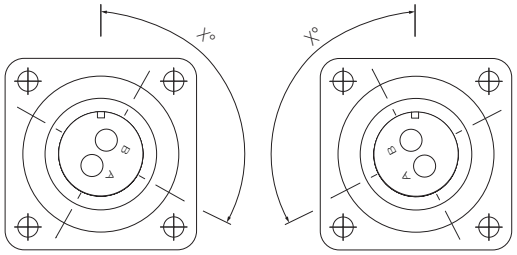

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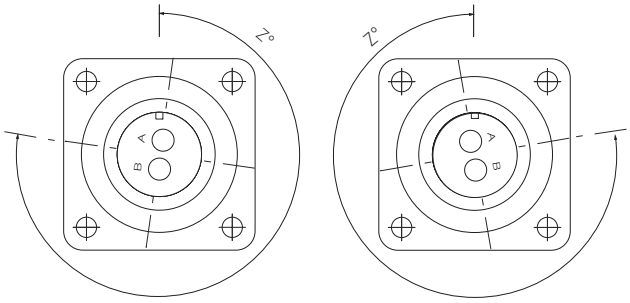

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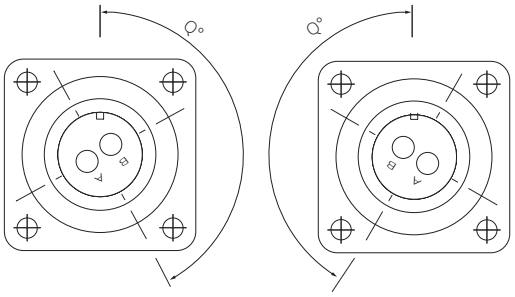


Alternate Insert Positions - List by shell size

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

The following table lists the possible available positions for each arrangement.

Inserts Arrangement	Degrees for alternate positions				
	W	X	Y	Z	Q
10SL-3	-	-	-	-	-
10SL-4	-	-	-	-	-
14S-1	-	-	-	-	-
14S-2	-	120	240	-	-
14S-5	-	110	-	-	-
14S-6	90	-	-	-	-
14S-7	90	180	270	-	-
14SA7	-	-	-	-	-
14S-9	70	145	215	290	-
16S-1	80	-	-	280	-
16S-4	35	110	250	325	-
16S-5	70	145	215	290	-
16S-8	-	170	265	-	-
16-2	-	-	-	-	-
16-7	80	110	250	280	-
16-9	35	110	250	325	-
16-10	90	180	270	-	-
16A10	35	112	235	315	-
16-11	35	110	250	325	-
16-12	-	-	-	-	-
16A5	-	-	-	-	-
18-1	70	145	215	290	-
18-3	35	110	250	325	-
18-4	35	110	250	325	-
18-5	80	110	250	280	-
18A5	-	-	-	-	-
18-6	-	-	-	-	-
18-8	70	-	-	290	-
18-9	80	110	250	280	-
18-10	-	120	240	-	-
18-11	-	170	265	-	-
18-12	80	-	-	280	-
18-13	80	110	250	280	-
18-14	80	110	250	280	-
18-16	-	-	-	-	-
18-19	-	120	240	-	-
18-20	90	180	270	-	-
18-22	70	145	215	290	-
20-2	-	-	-	-	-
20-3	70	145	215	290	-
20-4	45	110	250	-	-

VanSystem

Alternate Insert Positions - List by shell size

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

Inserts Arrangement	Degrees for alternate positions				
	W	X	Y	Z	Q
20-7	80	110	250	280	-
20-8	80	110	250	280	-
20B8	-	-	-	-	-
20-11	-	-	-	-	-
20-15	80	-	-	280	-
20-16	80	110	250	280	-
20-17	90	180	270	-	-
20-18	35	110	250	325	-
20-19	90	180	270	-	-
20-21	35	110	250	325	-
20-22	80	110	250	280	-
20-23	35	110	250	325	-
20-24	35	110	250	325	-
20-27	35	110	250	325	-
20-29	80	-	-	280	-
20-33	-	-	-	280	-
20A48	30	80	280	-	-
22-1	35	110	250	325	-
22-2	70	145	215	290	-
22-4	35	110	250	325	-
22-5	35	110	250	325	-
22-6	80	110	250	280	-
22-7	-	-	-	-	-
22-8	35	110	250	325	-
22-9	70	145	215	290	-
22-11	35	110	250	325	-
22-12	80	110	250	280	-
22-14	80	110	250	280	-
22-15	80	110	250	280	-
22-17	80	110	250	280	-
22-18	80	110	250	280	-
22-19	80	110	250	280	-
22-21	80	110	250	280	-
22-22	-	110	250	-	45
22-23	35	-	250	-	-
22-28	80	-	-	280	-
22A3	-	-	-	-	-
22A10	-	120	240	-	-
22A24	-	-	-	-	-
24-2	80	-	-	280	-
24-5	80	110	250	280	-
24-06	40	-	-	320	-

Alternate Insert Positions - List by shell size

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

Inserts Arrangement	Degrees for alternate positions				
	W	X	Y	Z	Q
24-6	80	110	250	280	-
24-7	80	110	250	280	-
24-9	35	110	250	325	-
24-10	80	-	-	280	-
24-11	35	110	250	325	-
24-12	80	110	250	280	-
24-19	-	-	-	-	-
24-20	80	110	250	280	-
24-21	80	110	250	280	-
24-22	45	110	250	-	-
24-27	80	-	-	280	-
24-28	80	110	250	280	-
24-67	80	-	-	335	-
24A7	80	-	-	280	-
24A16	-	-	-	-	-
24A25	80	110	250	280	-
24A28	65	146	235	-	-
24A55	80	110	250	280	-
28-1	80	110	250	280	-
28-2	35	110	250	325	-
28-3	70	145	215	290	-
28-5	35	110	250	325	-
28-6	70	145	215	290	-
28-9	80	110	250	280	-
28-10	80	110	250	280	-
28-11	80	110	250	280	-
28-12	90	180	270	-	-
28-15	80	110	250	280	-
28-16	80	110	250	280	-
28-17	80	110	250	280	-
28-18	70	145	215	290	-
28-19	80	110	250	280	-
28-20	80	110	250	280	-
28-21	80	110	250	280	-
28-22	70	145	215	290	-
28-51	80	135	195	-	23
28-72	72	144	216	288	-
28A1	-	-	-	-	-
28A3	-	-	-	-	-
28A9	110	250	260	280	-
28A14	35	90	-	-	-
28A16	-	-	-	-	-

VanSystem

Alternate Insert Positions - List by shell size

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

Inserts Arrangement	Degrees for alternate positions				
	W	X	Y	Z	Q
28A31	35	-	260	310	-
28B8	25	-	-	-	-
32-1	80	110	250	280	-
32-2	70	145	215	290	-
32-5	35	110	250	325	90
32-6	80	110	250	280	-
32-7	80	125	235	280	-
32-8	80	125	235	280	-
32-13	80	110	250	280	-
32-15	35	110	250	280	80
32-17	45	110	250	-	-
32-22	80	110	250	280	-
32-31	80	125	215	280	-
32-59	36	108	252	324	-
32-68	65	135	225	275	-
32-76	80	110	250	280	-
32-79	-	-	-	-	-
32A3	22	44	76	98	-
32A5	90	180	270	-	-
32A9	65	135	225	275	-
32A13	65	130	230	295	-
32A17	-	-	-	-	-
32A22	55	135	230	295	-
32A25	60	120	-	-	-
32A30	65	-	-	-	-
32A34	-	-	-	-	-
32A48	80	130	-	-	-
32A55	80	110	250	280	-
32A101	-	-	-	-	-
32B13	-	-	-	-	-
32B25	-	-	-	-	-
36-3	70	145	215	290	-
36-4	70	145	215	290	-
36-5	45	120	240	-	-
36-6	35	110	250	325	-
36-7	80	110	250	280	-
36-8	80	110	250	280	-
36-9	80	125	235	280	-
36-10	80	125	235	280	-
36-15	60	125	245	305	-
36-66	110	250	260	280	-

Alternate Insert Positions - List by shell size

CVS-CVB-CVBS-CVBSG-CVBR - INSERTS ARRANGEMENT

Inserts Arrangement	Degrees for alternate positions				
	W	X	Y	Z	Q
36-77	-	90	-	-	-
36A7	-	-	-	-	-
36A10	45	110	250	315	-
36A22	80	110	250	280	-
36B39	-	-	-	-	-
36D78	35	106	254	325	-
40-9	65	125	225	310	-
40-10	60	125	225	310	-
40-56	72	144	216	288	150
40-62	30	130	220	290	-
40-63	80	110	250	280	-
40-951	-	-	-	-	-
40A3	70	145	215	290	-
40A4	45	110	155		-
40A5	33	-	-	270	-
40A8	35	110	250	325	-
40A10	60	125	225	310	-
40A11	24	48	-	-	-
40A14	80	135	195	-	-
40A20	80	110	250	280	-
40A25	50	130	260	280	-
40A31	80	110	250	280	-
40A35	70	130	230	290	-
40A38	37	74	285	322	-
40A47	65	125	225	310	-
40A60	80	110	250	280	-
40A61	-	-	-	-	-
40A62	80	130	230	280	-
40A65	-	-	-	-	-
40A70	80	110	250	280	-
40A100	30	105	230	315	-
40A150	-	-	-	-	-
40A201	-	-	-	-	-
40B3	-	-	-	-	-
40B37	30	135	-	-	-
40B6	33	-	-	270	-
40C3	-	-	-	-	-
40C6	-	-	-	-	-
48A58	80	110	250	280	-
48A101	30	105	230	315	-

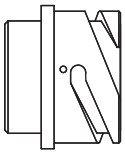
Connector - Shell

COMPATIBILITY TABLE

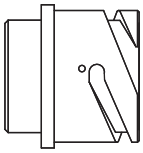
Connector Class Backshell

Shell Type with ramp (or threaded)

Shell 00
Shell 020



Shell 030
Shell 038



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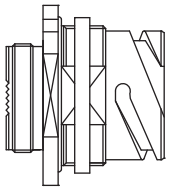
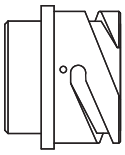
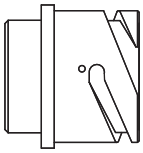
Shell 078



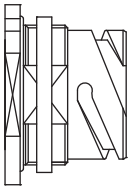
Shell 02
Shell 02A
Shell 02R



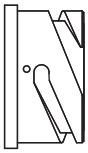
Shell 03
Shell 03A
Shell 03R



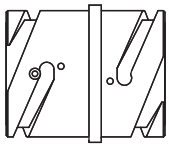
Shell 07
Shell 07R



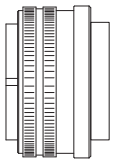
Shell 05



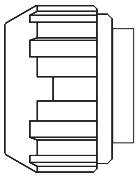
Shell TB



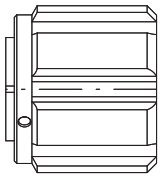
Shell Type with coupling nut



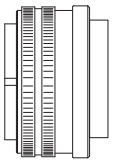
Shell 06
Shell 96



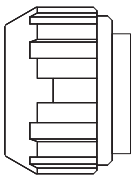
Shell 61
Shell 961



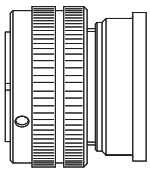
Shell 65
Shell 965



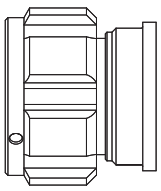
Shell 08
Shell 98



Shell 81
Shell 981



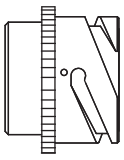
Shell 26



Shell 265

Connector Class Backshell

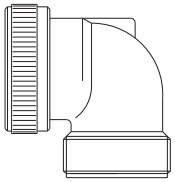
Shell 01

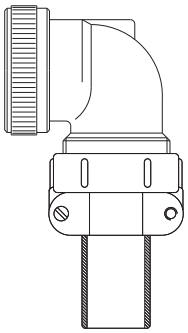


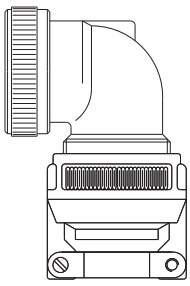
Connector - Backshell

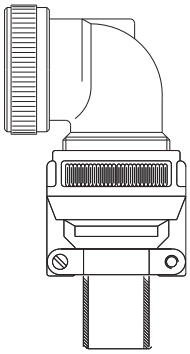
COMPATIBILITY TABLE

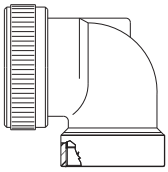
Connector Class - Elbow


Class A DA RA

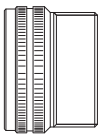

Class AF F

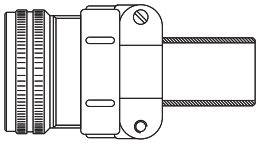

Class AC ACF

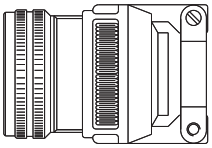

Class ACB

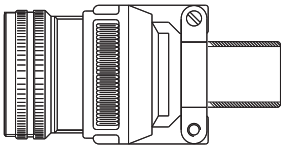

Class DA..PG RA..PG DA..M RA..M

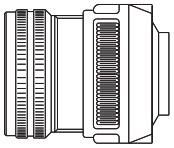
Connector Class - Backshell

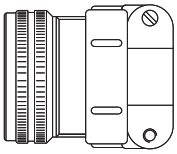

Class A DA RA Class LA LDA LRA

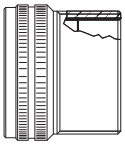

Class AF F Class LAF LF

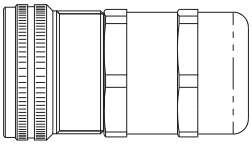

Class AC ACF Class LAC LACF

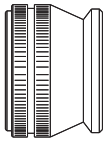

Class ACB

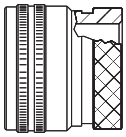

Class AB

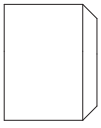

Class AS ASF Class FA FM

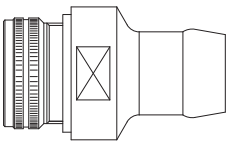

Class DA..PG RA..PG DA..M RA..M

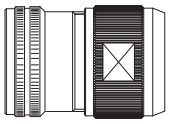

Class DA..PH RA..PH DA..MH RA..MH

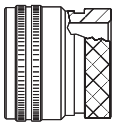

Class AR R


Class AG G

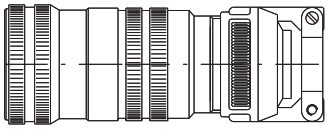

Class P

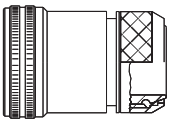

Class DA..FS RA..FS

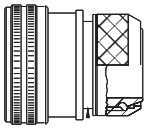

Class DA..MTG RA..MTG

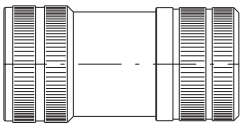

Class AG2 G2

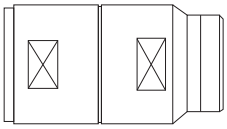
Class ASB1 SB1

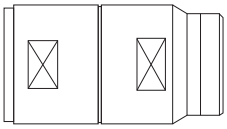


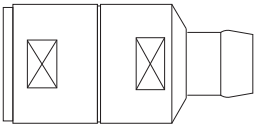

Class AGV GV

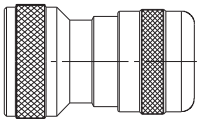

Class SB


Class AMK MK AWN WN


Class AST ST


Class AST..M ST..M


Class AST..FS ST..FS


Class DA..PHM.. RA..PHM.. DA..PHM..E RA..PHM..E

Connector Class - Backshell Characteristics

Connector Class	Grommet	Watertight	Strain relief	Suggested for crimp contacts 1	Suggested for single wires	Suggested for multicore cable	Suggested for heat shrink	Suggested for shielded connection	Suggested for jacketed conduit
A			● 2		● 4	●			
DA		● 3	● 2	●	● 4	●			
RA	●	● 5 / 6	● 2	●	●	●			
LA			● 2		● 4	●			
LDA		● 3	● 2	●	● 4	●			
LRA	●	● 5 / 6	● 2	●	●	●			
AF			●		●	●			
F	●	● 5 / 7	●		●	●			
LAF			●		●	●			
LF	●	● 5 / 7	●	●		●			
AC		●	●			●			
ACF	●	●	●	●		●			
ACB		●	●			●			
LAC		●	●		●	●			
LACF	●	●	●	●	●	●			
AB		●				●			
AS			●			●			
DA..PG		● 8	● 2	●	● 9	● 9			● 9
RA..PG	●	● 7/8	● 2	●	● 9	● 9			
DA..M		● 8	● 2	●	● 9	● 9			● 9
RA..M	●	● 7/8	● 2	●	● 9	● 9			
DA..PH		●	●	●	●	●			
RA..PH	●	●	●	●	●	●			
DA..MH		●	●	●	●	●			
RA..MH	●	●	●	●	●	●			
DA..FS		●		●	●				
RA..FS	●	●		●	●				
DA..MTG		●		●	●				
RA..MTG	●	●		●	●				
DAM		●	●	●		●			
RAM	●	●	●	●		●			
R	●	● 5		●	●				
AG		●		●		●	●		
G	●	● 5		●	●	●	●		
G2	●	● 5		●	●	●	●		
ASB1		●	●	●		●		●	
SB1	●	●	●	●		●		●	
AGV				●		●			
GV		●		●		●	●	●	
SB	●	●		●		●	●	●	
AMK		●		●		●		●	
MK	●	●		●		●		●	
AWN		●	●	●		●			●
WN	●	●	●	●		●			●
FA			●			●			
FM	●		●			●			
P				●		●			
ST	●	●	●	●	●	●			

● *Available*

● *Available, see notes*

(1) The information refers to a simple cable assembly of multicore cables with rear waterproof cable-clamp.
(2) Strain relief to be ordered separately.
(3) For multicore cables, watertightness is guaranteed only when this class is used with MS3057.. C type Cable-Clamps.
(4) Non-waterproof.
(5) For single wires, watertightness is guaranteed only if the wire diameter matches the sealing range of the grommet.
(6) When used with multicore cable, the watertightness is guaranteed only if its single wires diameter matches the sealing range of the grommet or if a MS3057.. C type cable-clamp is used.
(7) When used with multicore cable, the watertightness is guaranteed only if its single wires diameter matches the sealing range of the grommet.
(8) To guarantee watertightness, always use PG/metric adapters with IP67 protection.
(9) When used with a suitable conduit and conduit adapter.

CVS - Threaded Connector - Shell - Backshell

RF	CVS	303	00	DA	T	20-27	S	X	PG16	CR	CD5	F7	G	N

Available in several versions suitable for all applications and manufactured in different materials and finishes:

- Aluminum alloy with different types of protection finishes according to RoHS directives.
- Stainless steel, bronze and other materials to be chosen according to the application

CVS	**Series Code**	**CVS**	Threaded Connector
303	**Shell Material**	**-**	Aluminum
		303	Stainless Steel
00	**Shell Type**	**xx**	Flange/Plug Shell with ramp/threaded or with nut
DA	**Connector Class**	**xx**	With backshell
T	**Connector Modification****	**T**	With plastic caps
		FF	Receptacle connector with threaded holes (to specify for 00/02/05 shell only)
		FP	Receptacle connector with through holes (to specify for 03 shell only)
		FS	Receptacle connector with countersunk holes
		V	Insert and contacts sealed (solder only)
PG16	**Backshell Conduits size or internal thread**	**-**	Without internal thread
		xx	Conduits size or internal thread
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (***RoHS compliance)***
		F7	Black epoxy varnish (***RoHS compliance)***
		F16	CCF - Black passivation (***RoHS compliance)*** - conductive
		F26	Hard anodization (***RoHS compliance)***
		F30	colorless passivation for stainless steel (***RoHS compliance)***
G	**Panel Gasket**	**-**	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	**N**	Contacts and hole plugs (Consult our sales office)
		S	Customization (Consult our sales office)

CVS - Shell - Backshell - Index

CLASS / SHELL TYPE			00	020	02/02A/02R	01	06	08
A	DA	RA	●	*	-	●	●	●
LA	LDA	LRA	●	*	-	●	●	●
	AF	F	●	*	-	●	●	●
	LAF	LF	●	*	-	●	●	●
	AC	ACF	●	*	-	●	●	●
	ACB		●	*	-	●	●	●
	LAC	LACF	●	*	-	●	●	●
	AB		●	*	-	●	●	●
AS		ASF	●	*	-	●	●	●
	DA..PG	RA..PG	●	*	-	●	●	●
	DA..M	RA..M	●	*	-	●	●	●
	DA..PH	RA..PH	●	*	-	●	●	●
	DA..MH	RA..MH	●	*	-	●	●	●
AR		R	●	*	-	●	●	●
	AG	G	●	*	-	●	●	●
	P		●	*	-	●	●	●

● *Available*

● *On request*

** Without accessories (to be purchased separately)*

CVS - Shell - Backshell - Index

Class A/DA/RA

Class AF/F

Class AC/ACF

Class ACB

Class AB

Class AS/ASF

Class DA..PG/RA..PG
Class DA..M/RA..M

Class DA..PH/RA..PH
Class DA..MH/RA..MH

Class R/AR

Class AG/G

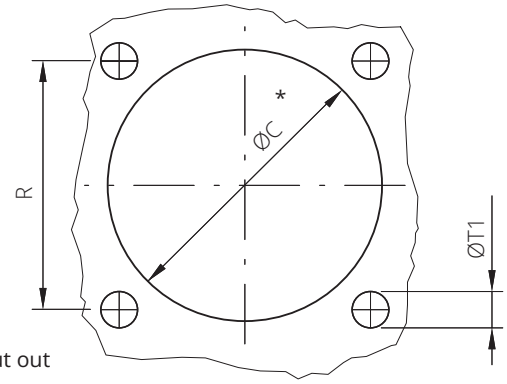
Class P

Class A/DA/RA

CVS - Threaded Connector

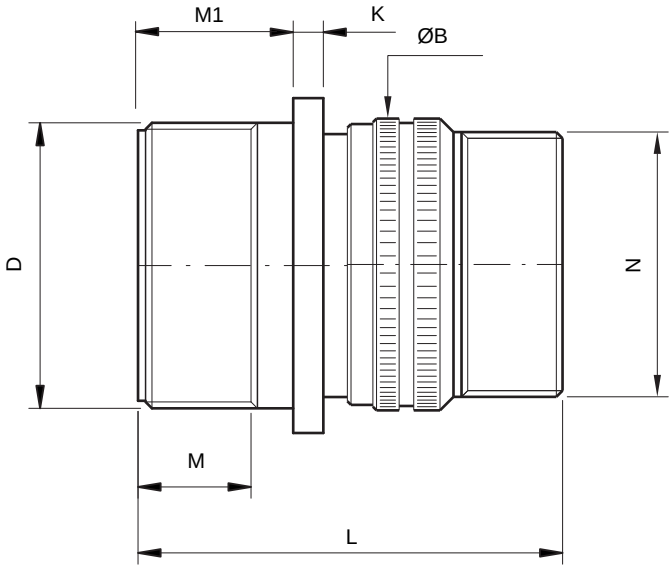
Front Mounting Receptacle (00) with Backshell Class (A - DA - RA)

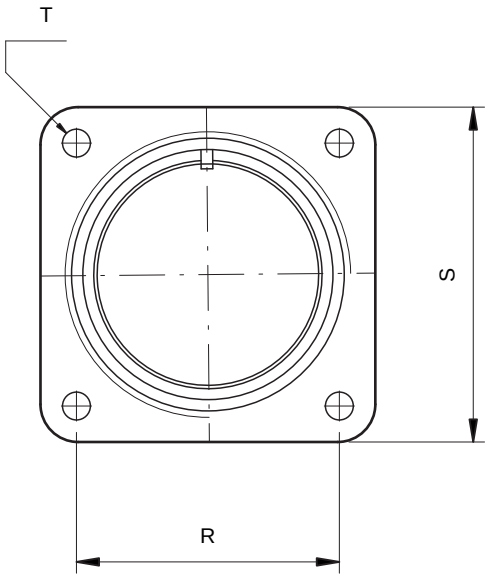
Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



Panel cut out

** For installation with backshell mounted, consult our sales office.*





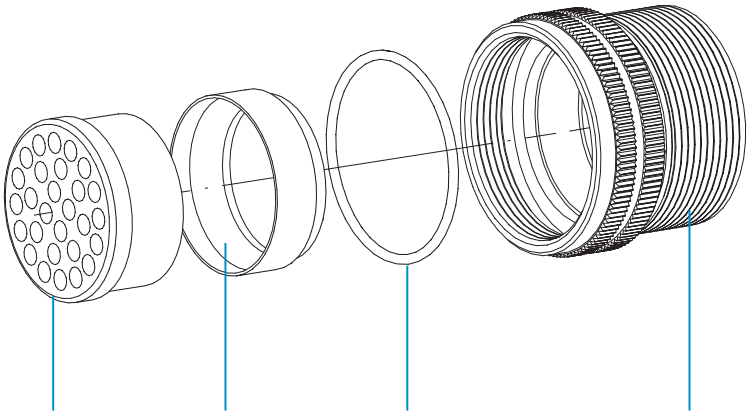
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N Backshell Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	41	2.8	9.9	14.2	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	42.5	3.2	11.4	14.5	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	42.5	3.2	11.4	14.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	50	3.2	15.9	19	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	52	4	15.9	19	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	51	4	15.9	19	1" 3/16-18 UNEF	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	54	4	15.9	19.7	1" 3/16-18 UNEF	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	54	4	15.9	20.6	1" 7/16-18 UNEF	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	62	4	15.9	20.6	1" 7/16-18 UNEF	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	63	4	15.9	22.2	1" 3/4-18 UNS	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	63	4	15.9	22.2	2"-18 UNS	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	63	4	15.9	22.2	2"1/4-16 UN	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	00	DA	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

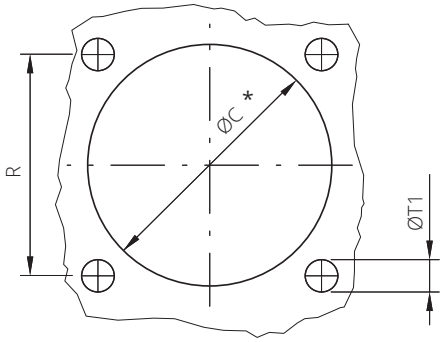
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVS 00DAT 20-27SX CR CD5 F7 G N

CVS - Threaded Connector

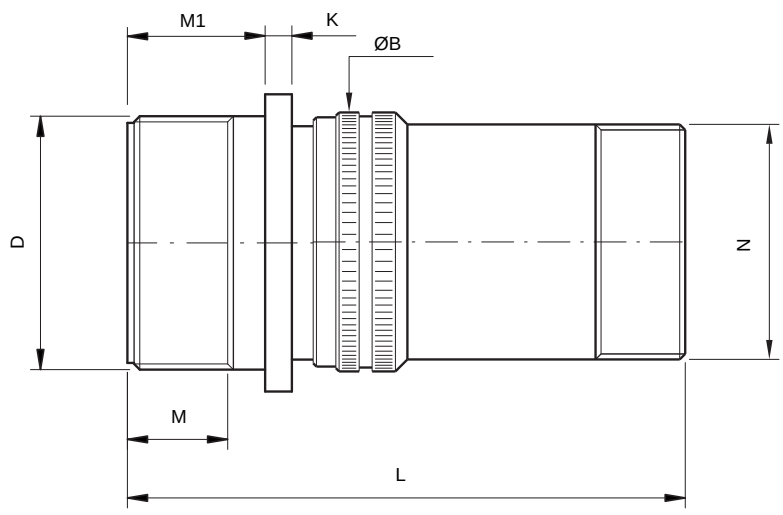
Front Mounting Receptacle (00) with Backshell Class (LA - LDA - LRA)

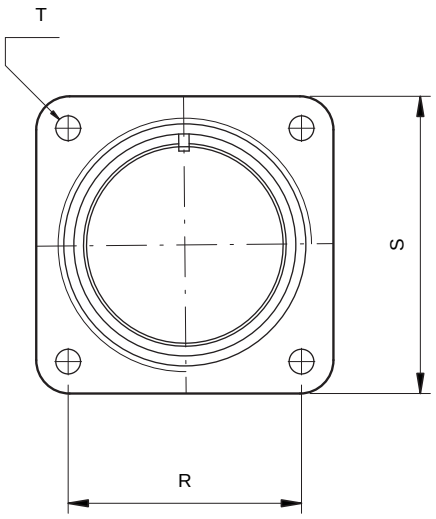
Connector with long backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



Panel cut out

** For installation with backshell mounted, consult our sales office.*





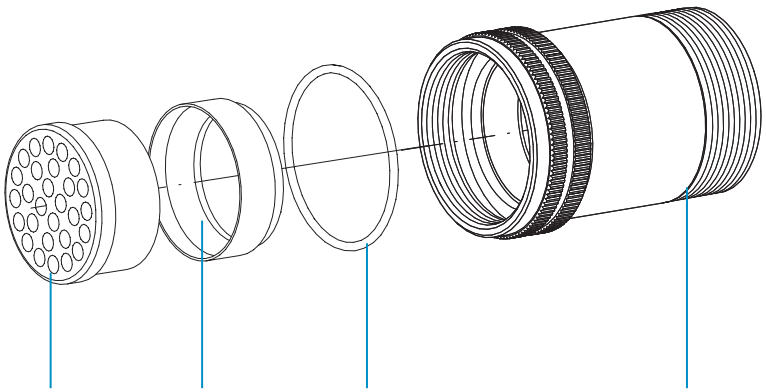
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N Backshell Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	67	2.8	9.9	14.2	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	67	3.2	11.4	14.5	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	67	3.2	11.4	14.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	77	3.2	15.9	19	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	77.5	4	15.9	19	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	78	4	15.9	19	1" 3/16-18 UNEF	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	79	4	15.9	19.7	1" 3/16-18 UNEF	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	81	4	15.9	20.6	1" 7/16-18 UNEF	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	81	4	15.9	20.6	1" 7/16-18 UNEF	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	95.5	4	15.9	22.2	1" 3/4-18 UNS	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	95.5	4	15.9	22.2	2"-18 UNS	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	95.5	4	15.9	22.2	2"1/4-16 UN	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	00	LDA	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

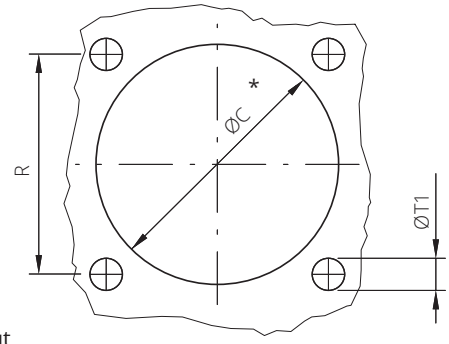
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVS 00LDAT 20-27SX CR CD5 F7 G N

CVS - Threaded Connector

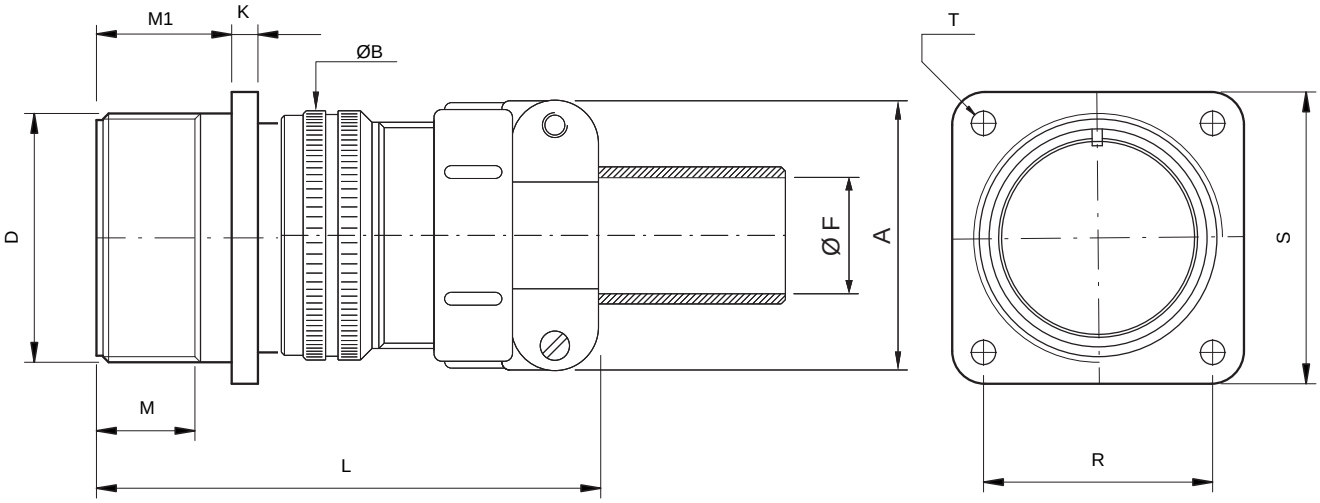
Front Mounting Receptacle (00) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



Panel cut out

For installation with backshell mounted, consult our sales office.



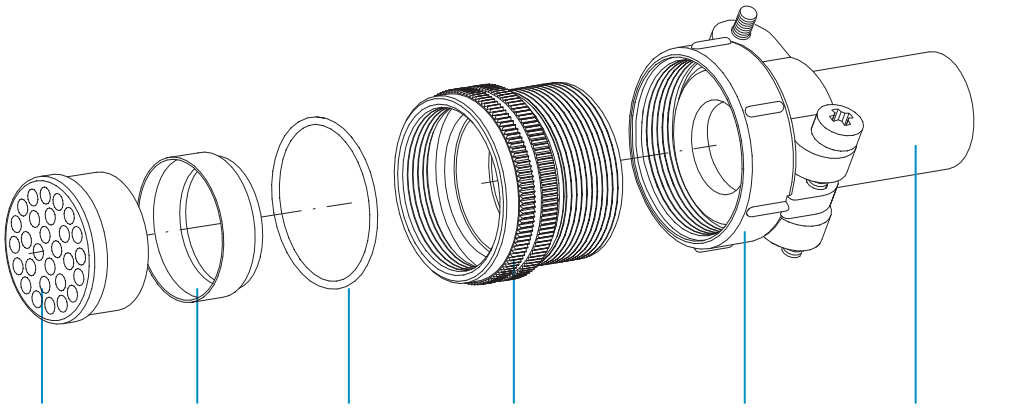
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	51	2.8	9.9	14.2	22.5	5.6	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	54.5	3.2	11.4	14.5	28	7.9	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	56	3.2	11.4	14.2	30	11	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	63.5	3.2	15.9	19	30	11	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	66.5	4	15.9	19	31.7	14.2	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	66.5	4	15.9	19	37.5	15.8	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	69.5	4	15.9	19.7	37.5	15.8	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	69.5	4	15.9	20.6	43.5	19	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	77.5	4	15.9	20.6	43.5	19	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	78.5	4	15.9	22.2	51.7	23.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	78.5	4	15.9	22.2	58.5	31.7	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	92	4	15.9	22.2	68.5	34.9	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	AF	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AF	Connector Class	F	with waterproof O-ring and grommet (IP54)
		AF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 00AFT 20-27SX CR CD5 F7 G N

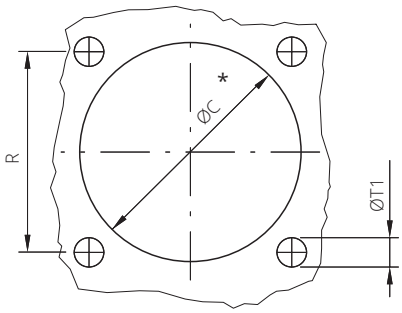
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

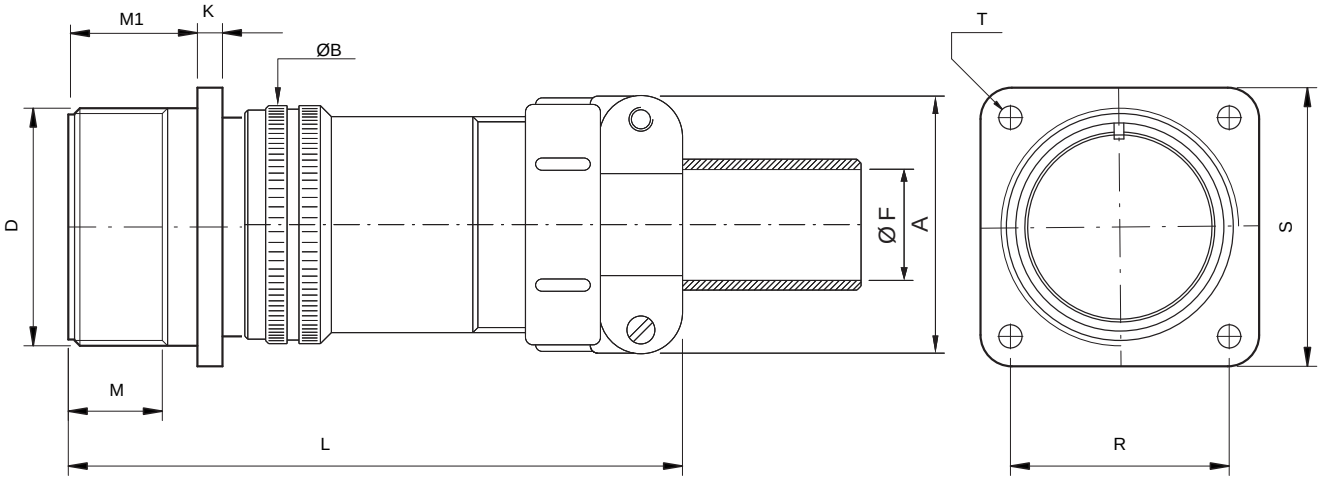
Front Mounting Receptacle (00) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



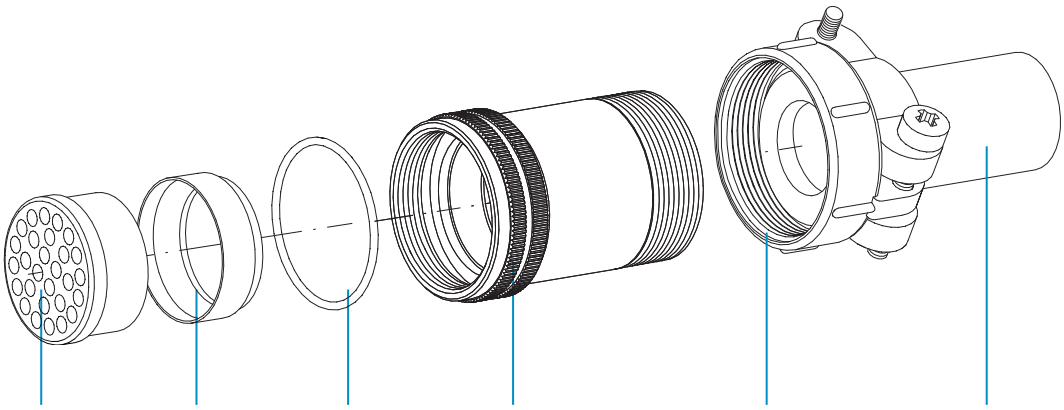
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	77	2.8	9.9	14.2	22.5	5.6	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	79	3.2	11.4	14.5	28	7.9	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	80.5	3.2	11.4	14.2	30	11	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	90.5	3.2	15.9	19	30	11	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	93	4	15.9	19	31.7	14.2	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	93.5	4	15.9	19	37.5	15.8	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	94.5	4	15.9	19.7	37.5	15.8	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	96.5	4	15.9	20.6	43.5	19	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	96.5	4	15.9	20.6	43.5	19	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	111	4	15.9	22.2	51.7	23.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	111	4	15.9	22.2	58.5	31.7	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	124.5	4	15.9	22.2	68.5	34.9	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	LAF	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
LAF	Connector Class	LF	with waterproof O-ring and grommet (IP54)
		LAF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

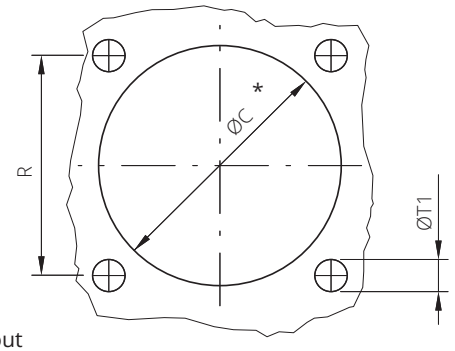
P/N Sample: RF CVS 00LAFT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

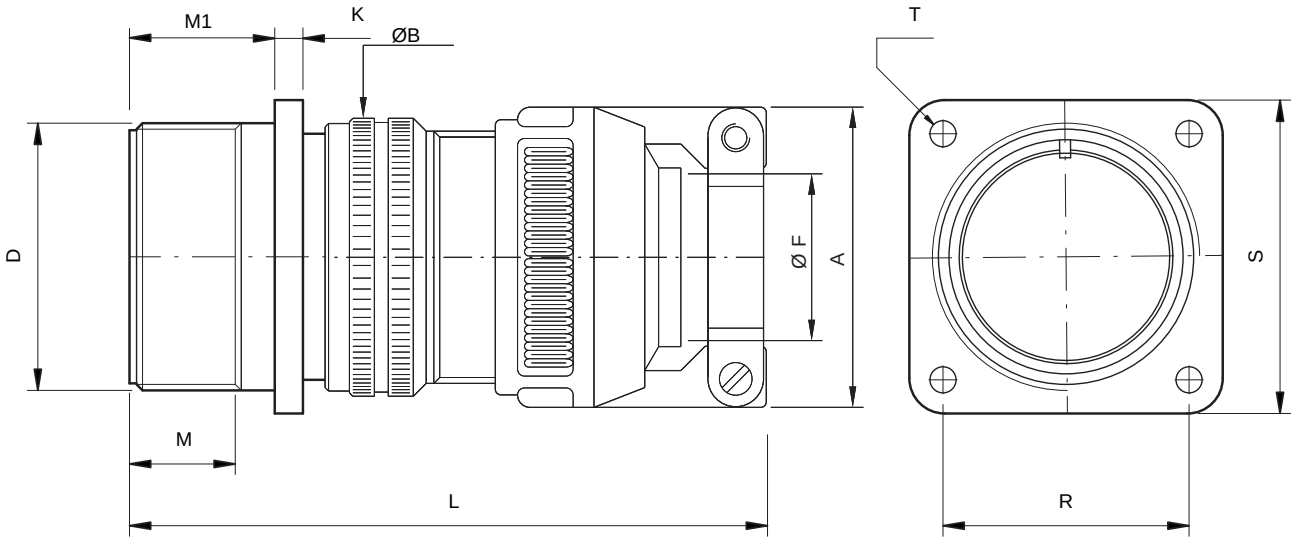
Front Mounting Receptacle (00) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



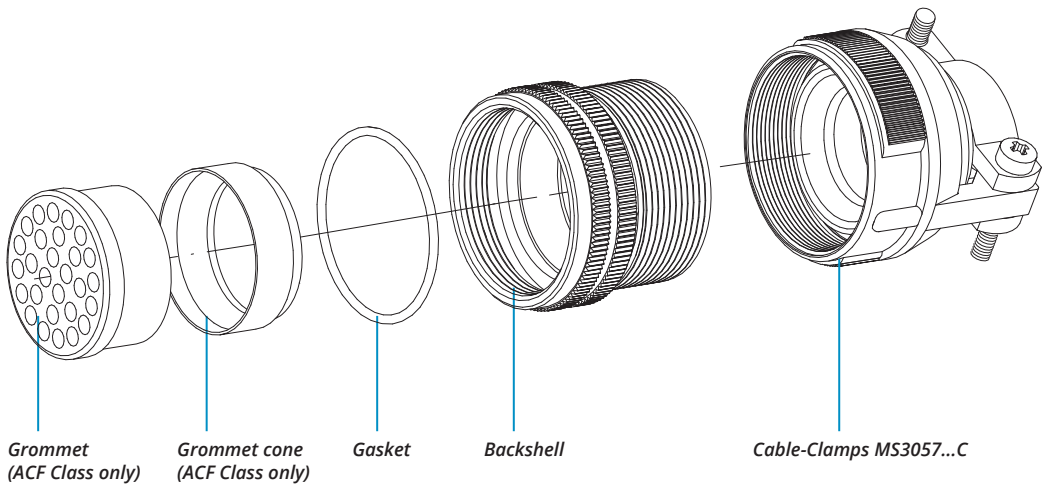
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
								Min	Max					
10SL	5/8"-24 UNEF	20	65	2.8	9.9	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	66.5	3.2	11.4	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	67.5	3.2	11.4	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	75	3.2	15.9	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	78.5	4	15.9	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	77.5	4	15.9	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	80.5	4	15.9	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	87.5	4	15.9	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	95.5	4	15.9	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	101	4	15.9	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	105.5	4	15.9	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	107	4	15.9	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	AC	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AC	Connector Class	ACF	with waterproof O-ring and grommet (IP67)
		AC	with waterproof O-ring (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

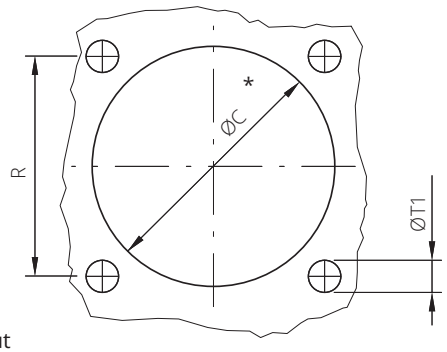
P/N Sample: RF CVS 00ACT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

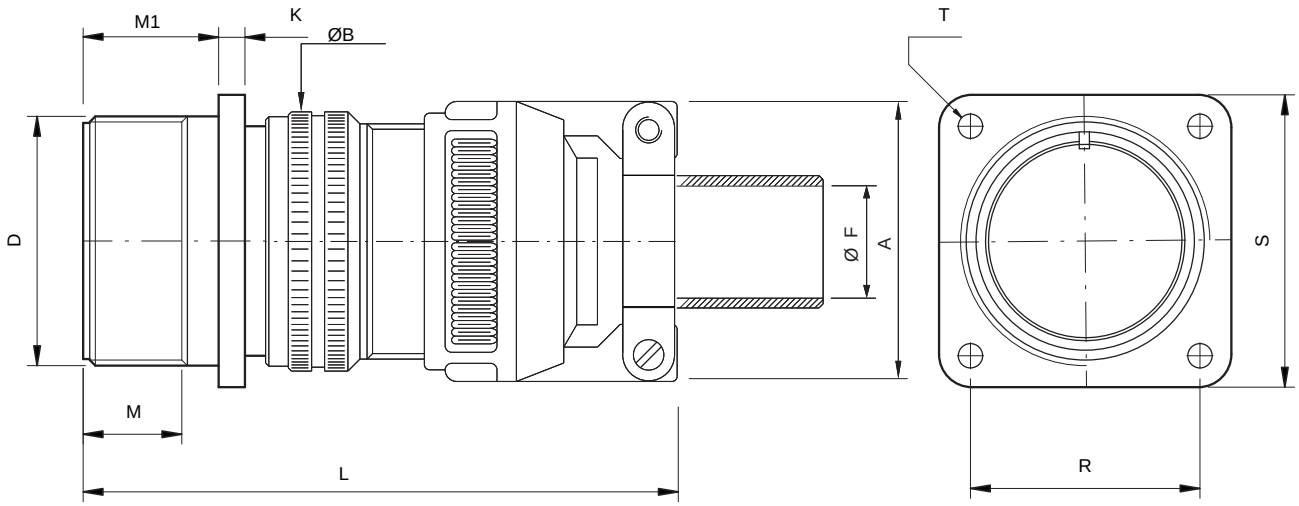
Front Mounting Receptacle (00) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



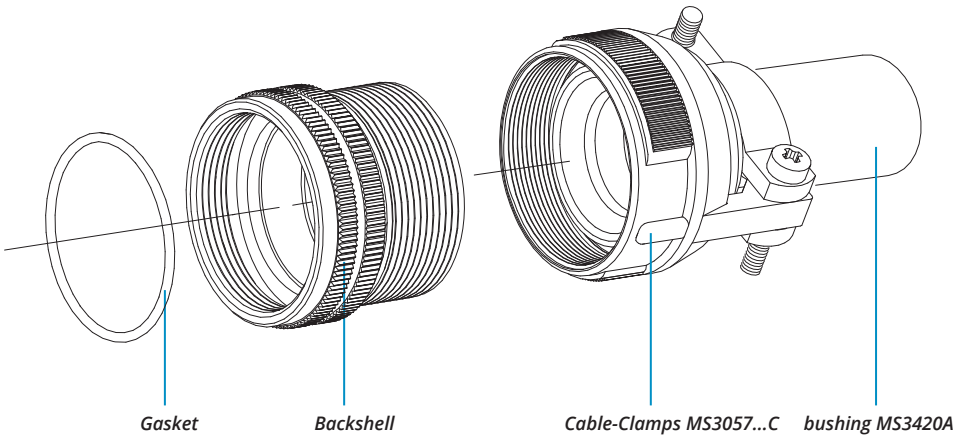
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A ±0.2	ØF max cable size	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	65	2.8	9.9	14.2	23	5.6	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	66.5	3.2	11.4	14.5	26	7.9	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	67.5	3.2	11.4	14.2	28.5	11.1	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	75	3.2	15.9	19	28.5	11.1	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	78.5	4	15.9	19	32	11.1	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	77.5	4	15.9	19	37.5	13.7	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	80.5	4	15.9	19.7	37.5	13.7	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	87.5	4	15.9	20.6	43.5	19	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	95.5	4	15.9	20.6	43.5	19	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	101	4	15.9	22.2	54	23.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	105.5	4	15.9	22.2	58	28.5	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	107	4	15.9	22.2	63.5	31.8	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	ACB	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	**Shell Type**	00	Front mounting Receptacle
ACB	**Connector Class**	ACB	with waterproof O-ring
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

P/N Sample: RF CVS 00ACBT 20-27SX CR CD5 F7 G N

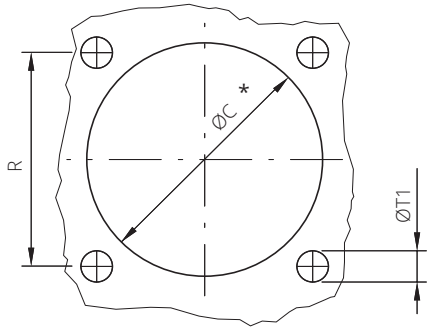
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

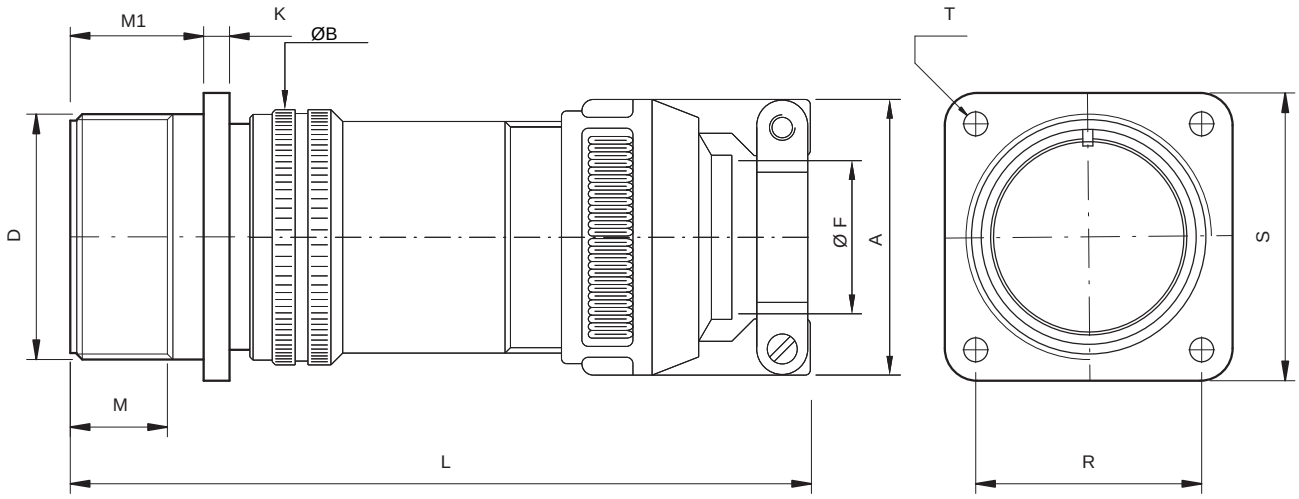
Front Mounting Receptacle (00) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



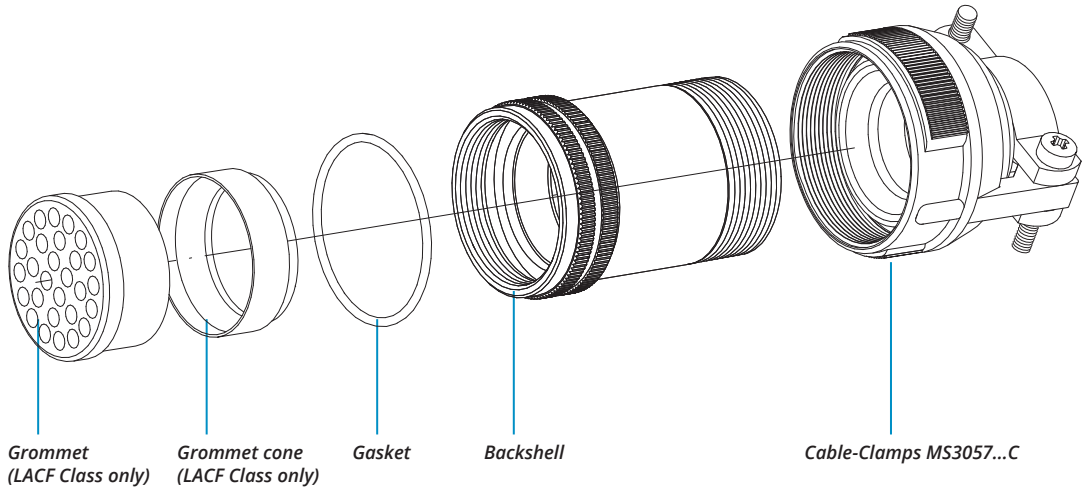
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
								Min	Max					
10SL	5/8”-24 UNEF	20	91	2.8	9.9	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	7/8”-20 UNEF	24	91	3.2	11.4	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	1”-20 UNEF	27	92	3.2	11.4	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	1”-20 UNEF	27	102	3.2	15.9	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	1”1/8-18 UNEF	30	105	4	15.9	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	1”1/4-18 UNEF	32	105	4	15.9	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	1”3/8-18 UNEF	37	106	4	15.9	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	1”1/2-18 UNEF	40	114.5	4	15.9	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	1”3/4-18 UNS	45	114.5	4	15.9	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	2”-18 UNS	52	133.5	4	15.9	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	2”1/4-16 UN	58	138	4	15.9	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	2”1/2-16 UN	63.2	139.5	4	15.9	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension “L” can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	LAC	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
LAC	Connector Class	LACF	with waterproof O-ring and grommet (IP67)
		LAC	with waterproof O-ring (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N S	Consult our sales office

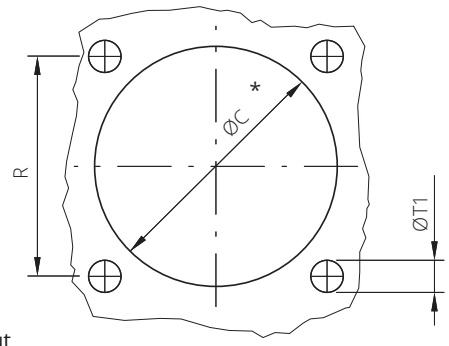
P/N Sample: RF CVS 00LACT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

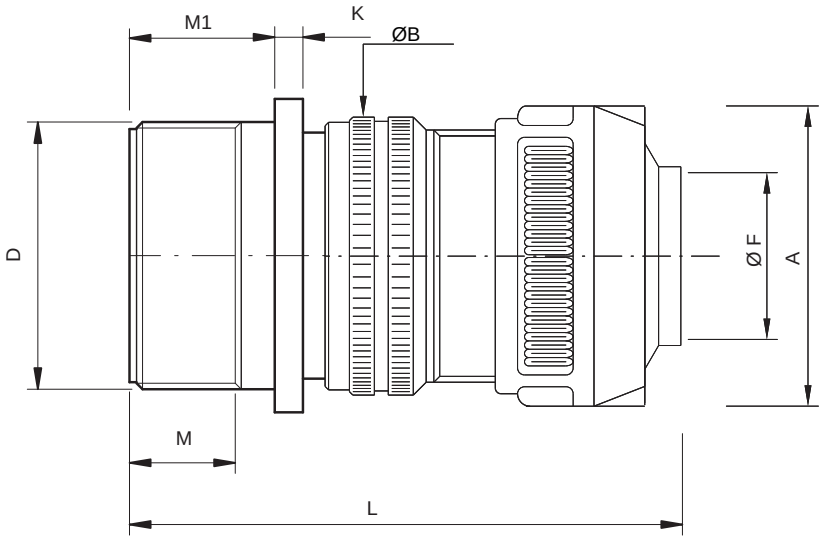
Front Mounting Receptacle (00) with Backshell Class (AB)

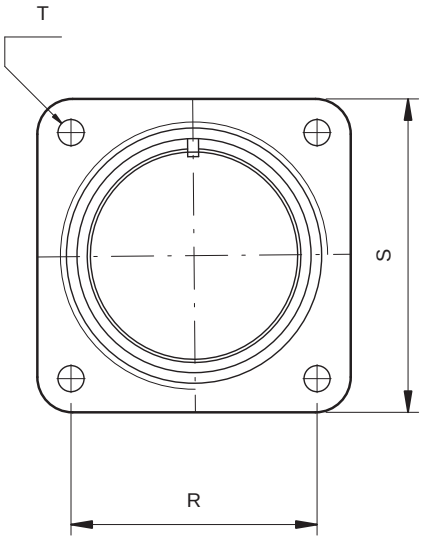
Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***





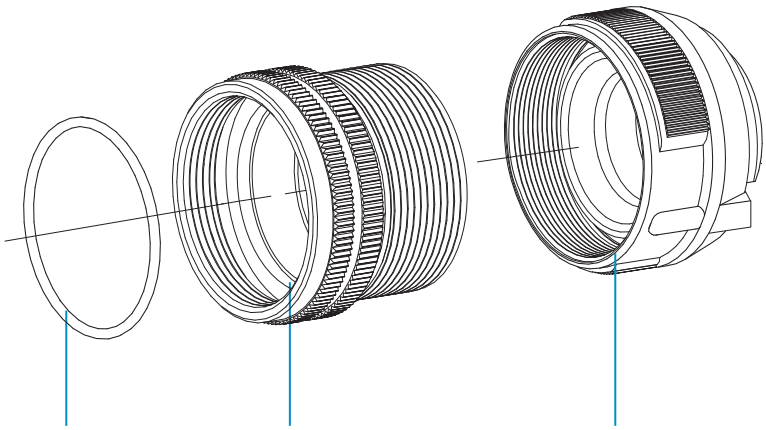
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
								Min	Max					
10SL	5/8"-24 UNEF	20	48.4	2.8	9.9	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	56.1	3.2	11.4	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	57.3	3.2	11.4	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	63.3	3.2	15.9	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	68	4	15.9	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	69.2	4	15.9	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	71.2	4	15.9	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	76.3	4	15.9	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	83.3	4	15.9	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	85.1	4	15.9	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	88.2	4	15.9	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	91.5	4	15.9	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	AB	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	**Shell Type**	00	Front mounting Receptacle
AB	**Connector Class**	AB	with waterproof O-ring
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

P/N Sample: RF CVS 00ABT 20-27SX CR CD5 F7 G N

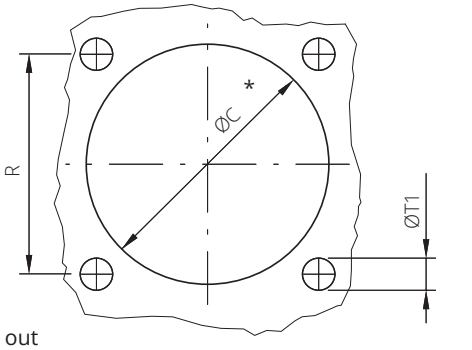
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

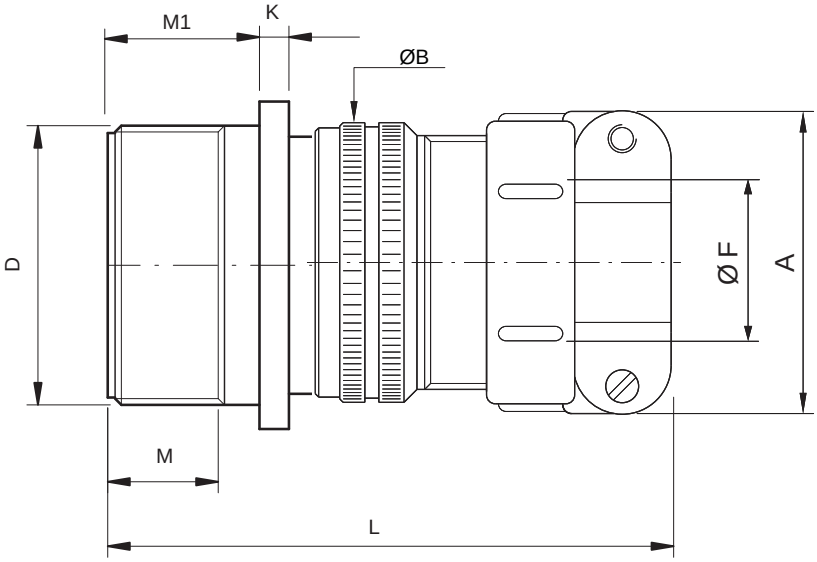
Front Mounting Receptacle (00) with Backshell Class (AS - ASF)

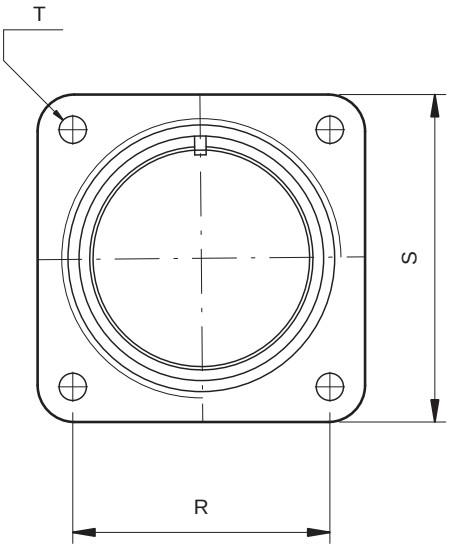
Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***





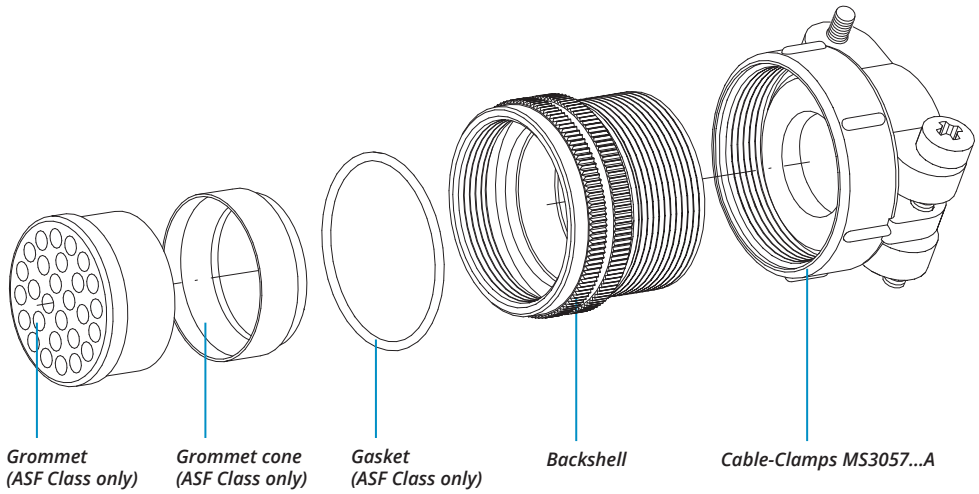
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	51	2.8	9.9	14.2	22.5	8	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	54.5	3.2	11.4	14.5	28	11	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	56	3.2	11.4	14.2	30	14.2	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	63.5	3.2	15.9	19	30	14.2	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	66.5	4	15.9	19	31.7	15.8	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	66.5	4	15.9	19	37.5	19	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	69.5	4	15.9	19.7	37.5	19	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	69.5	4	15.9	20.6	43.5	23.8	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	77.5	4	15.9	20.6	43.5	23.8	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	78.5	4	15.9	22.2	51.7	31.7	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	78.5	4	15.9	22.2	58.5	35	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	92	4	15.9	22.2	68.5	41.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	AS	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AS	Connector Class	AS	non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N S	Consult our sales office

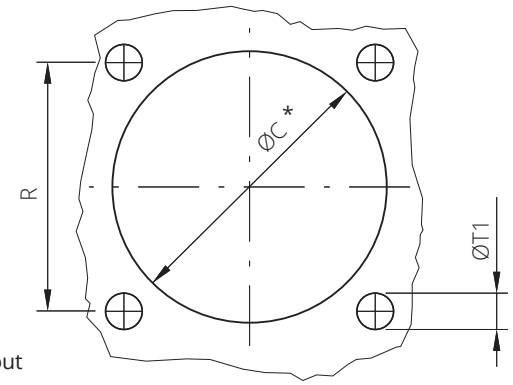
P/N Sample: RF CVS 00AST 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

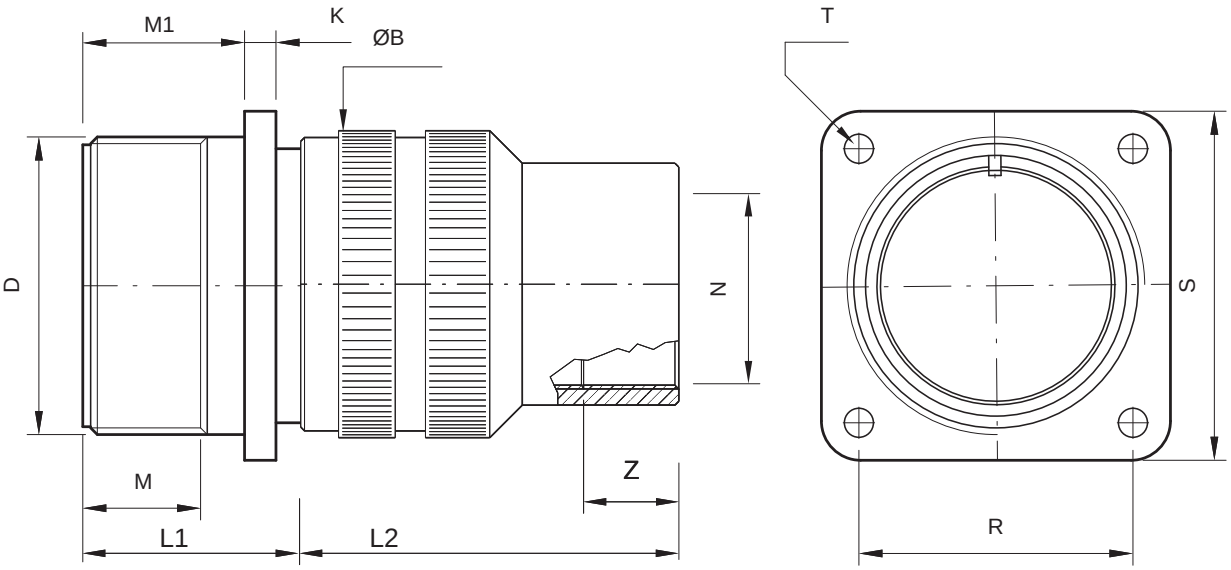
Front Mounting Receptacle (00) with Backshell Class (DA..M - RA..M DA..PG - RA..PG)

Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



Shell size	D Connectors Thread in inches	ØB ±0.2	M ±0.2	M1 ±0.2	K ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	9.9	14.2	2.8	8	18,2	M12 - M16	32	(PG9) - PG13.5	26	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	11.4	14.5	3.2	9	19,3	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	11.4	14.2	3.2	9	18,5	(M16) - M20	40	PG13.5 - (PG16)	38	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	15.9	19	3.2	9	22,6	M20	45	PG16	40	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	15.9	19	4	9	24	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	15.9	19	4	9	23,1	(M12) - M20	50	PG11 - PG13.5 - PG16	50	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	15.9	19.7	4	10	23	M25 - M32	50	PG21	50	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	15.9	20.6	4	10	25,7	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	15.9	20.6	4	10	26,1	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	15.9	22.2	4	10	27,9	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	15.9	22.2	4	13	28,7	M40 - M50	56	PG29 - (PG36) - (PG42)	65	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	15.9	22.2	4	13	28	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65	55.6	69.8	4.4	4.5	61

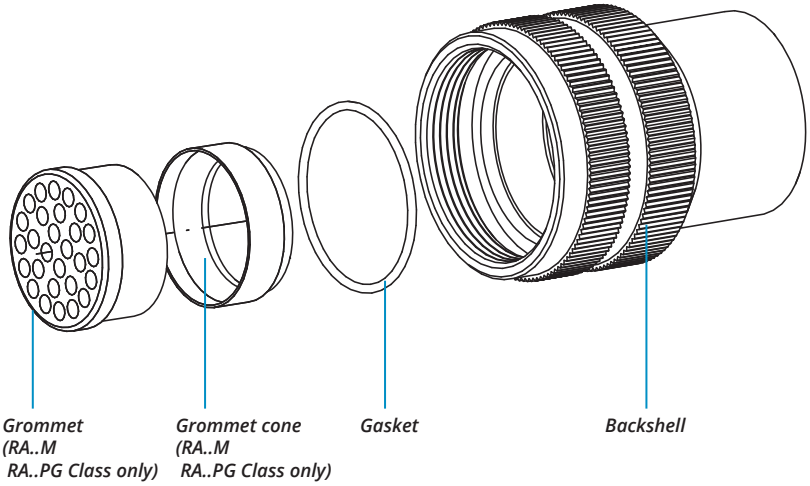
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVS - Threaded Connector

RF	CVS	303	00	DA	T	20-27	S	X	M12	CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

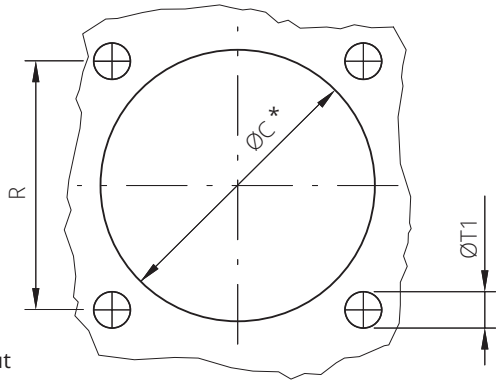
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVS 00DAT 20-27SX M12 CR CD5 F7 G N

CVS - Threaded Connector

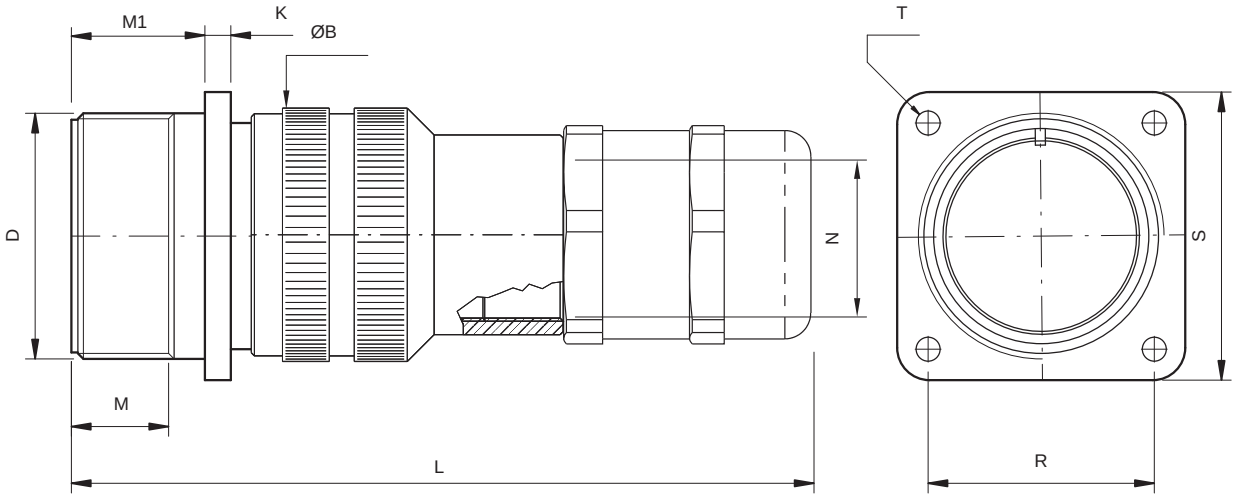
Front Mounting Receptacle (00) with Backshell Class (DA..MH - RA..MH DA..PH - RA..PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



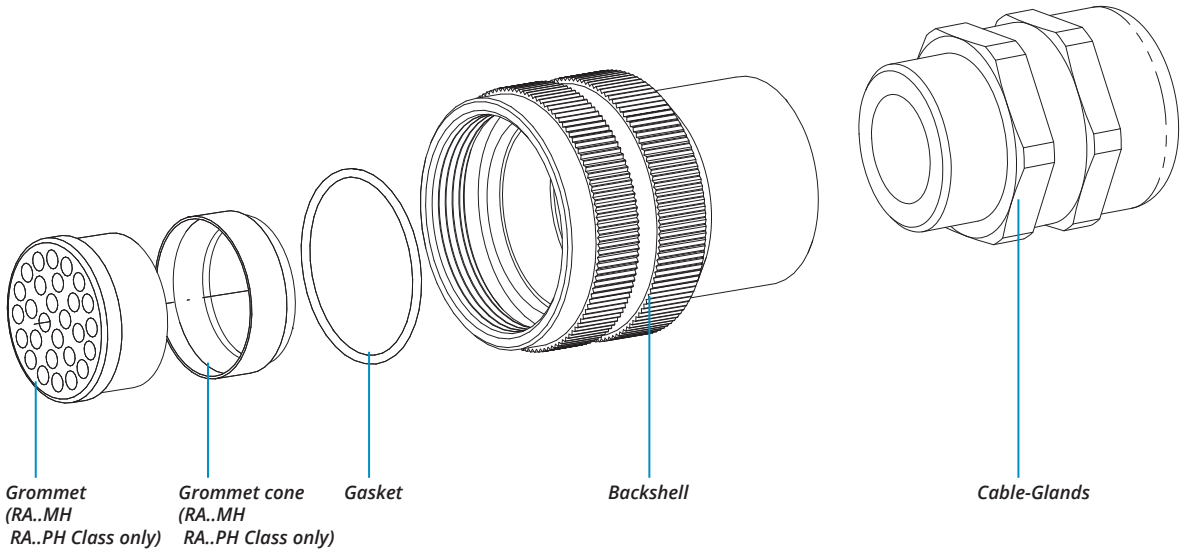
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	Backshell Metric Thread	ØN Clamping range	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	87	2.8	9.9	14.2	M12	3.5-7	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	93	3.2	11.4	14.5	M16	4.5-10	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	96.5	3.2	11.4	14.2	M20	7-13	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	103.5	3.2	15.9	19	M20	7-13	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	103.5	4	15.9	19	M20	7-13	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	104.5	4	15.9	19	M25	9-17	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	110.5	4	15.9	19.7	M32	11-21	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	112.5	4	15.9	20.6	M32	11-21	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	122.5	4	15.9	20.6	M32	11-21	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	127	4	15.9	22.2	M40	19-28	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	132	4	15.9	22.2	M40	19-28	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	138	4	15.9	22.2	M40	19-28	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	00	DA	T	20-27	S	X	MH12	CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands***
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

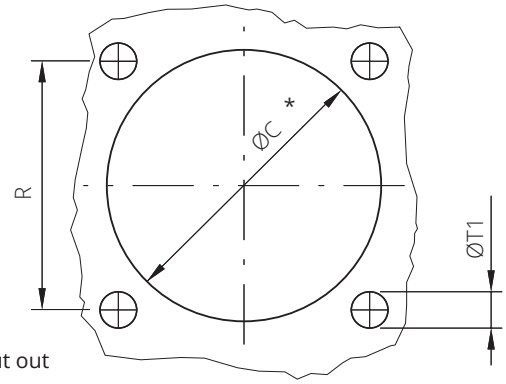
P/N Sample: RF CVS 00DAT 20-27SX MH12 CR CD5 F7 G N

*(*) RoHS compliance (**) If required *** Consult our sales office*

CVS - Threaded Connector

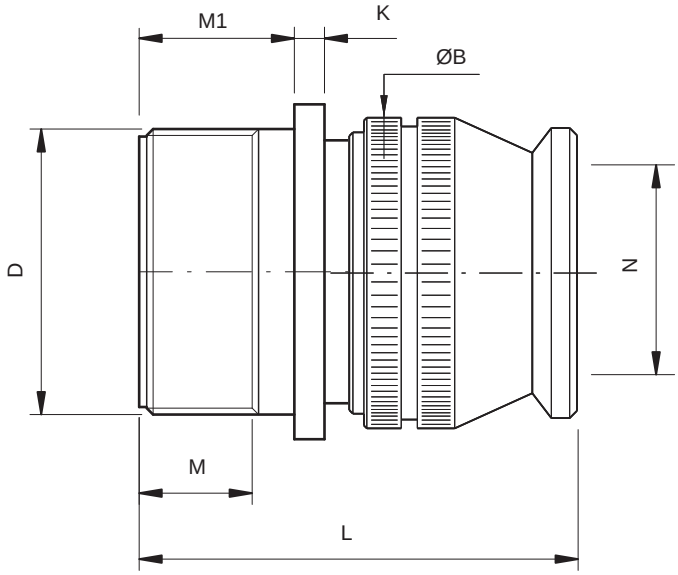
Front Mounting Receptacle (00) with Backshell Class (AR - R)

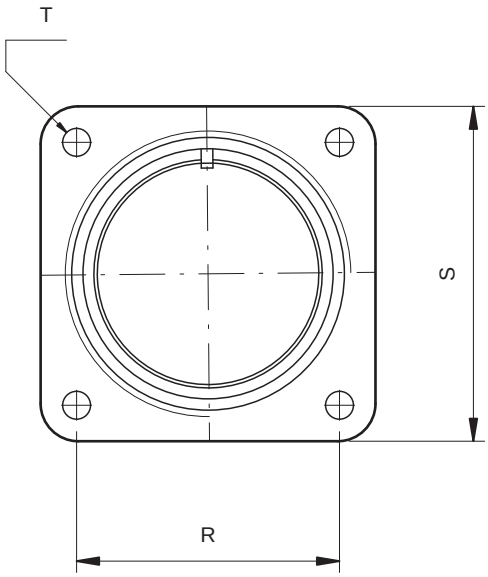
This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



Panel cut out

** For installation with backshell mounted, consult our sales office.*





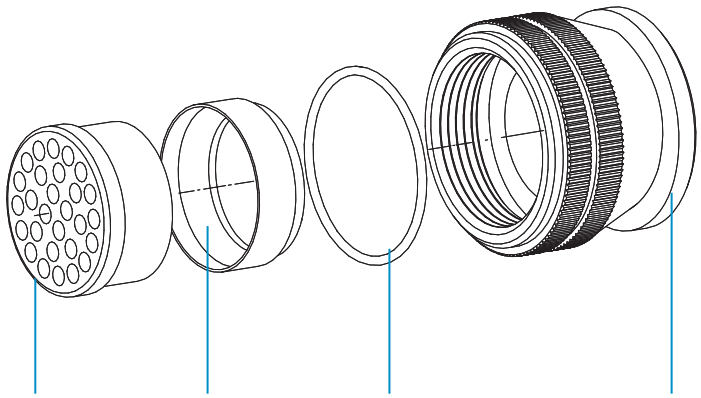
Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N max cable dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	35	2.8	9.9	14.2	10	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	35.5	3.2	11.4	14.5	13.5	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	39	3.2	11.4	14.2	16.1	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	48.5	3.2	15.9	19	16.5	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	29.4	50	4	15.9	19	19	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	50	4	15.9	19	22.2	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	52	4	15.9	19.7	24.5	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	55.6	4	15.9	20.6	28	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	56	4	15.9	20.6	32.6	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	58	4	15.9	22.2	38	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	58	61.5	4	15.9	22.2	45	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.2	59	4	15.9	22.2	51.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	00	R	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
00	**Shell Type**	00	Front mounting Receptacle
R	**Connector Class**	AR	non watertight
		R	With O-ring and grommet
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	S	Socket contacts
		P	Pin contacts

X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

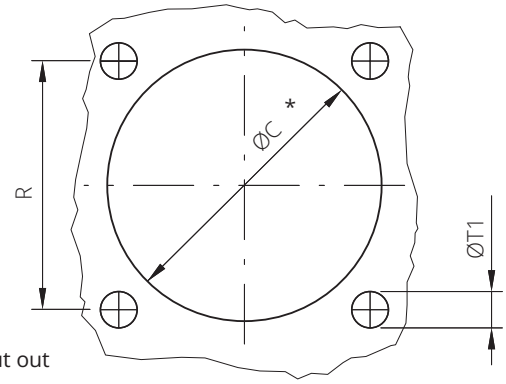
P/N Sample: RF CVS 00RT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

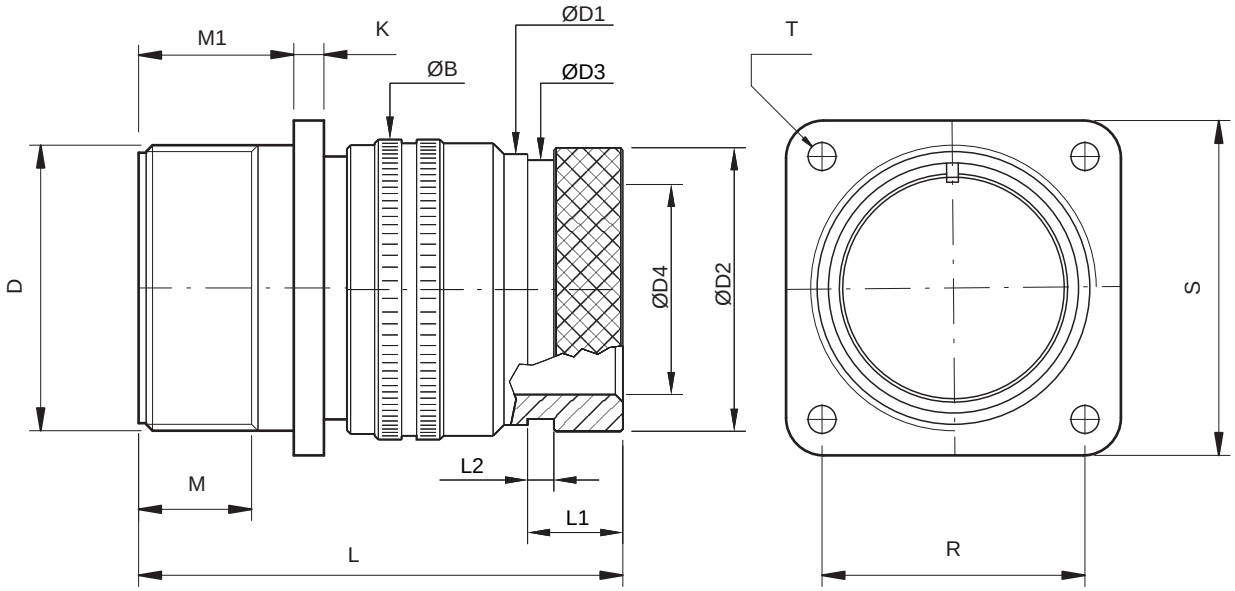
Front Mounting Receptacle (00) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



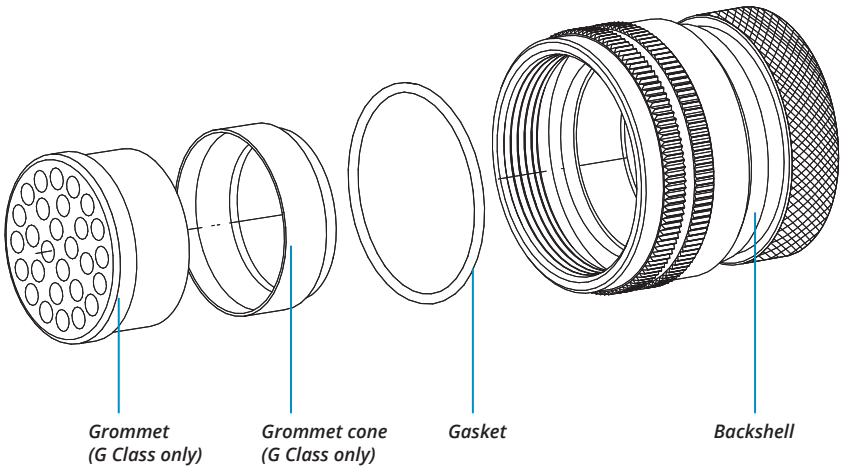
Shell size	D Connectors Thread in inches	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2	K ±0.2	M ±0.2	M1 ±0.2	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	20	17	15.5	13.3	7.9	48	11.7	3.5	2.8	9.9	14.2	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24	20.1	19.1	17	13.5	48	11.7	3.5	3.2	11.4	14.5	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	27	23.5	23.9	21.9	13.7	48	11.7	3.5	3.2	11.4	14.2	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	27	23.5	23.9	21.9	16.1	60	11.5	3.5	3.2	15.9	19	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	30	26.5	23.9	21.9	19	65	11.5	3.5	4	15.9	19	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	33	30.2	29.6	26.2	22.2	65	12.4	3.5	4	15.9	19	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	37	33.6	29.6	26.2	22	65	12.7	3.5	4	15.9	19.7	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	40	36.1	37.8	34.5	28	65	12.7	3.5	4	15.9	20.6	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	41.4	37.8	34.5	29	65	12.7	3.5	4	15.9	20.6	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	52	50	47.8	43.4	35.2	70	15.2	3.5	4	15.9	22.2	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	57.2	56	47.7	43.4	40	75	15.2	3.5	4	15.9	22.2	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	63.6	62.4	57.6	52.4	48	77	15.2	3.5	4	15.9	22.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		00	AG	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
	Shell Material	-	Aluminum
00	**Shell Type**	00	Front mounting Receptacle
AG	**Connector Class**	AG	With waterproof O-ring (IP67***)
		G	With waterproof O-ring and grommet (IP67***)
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

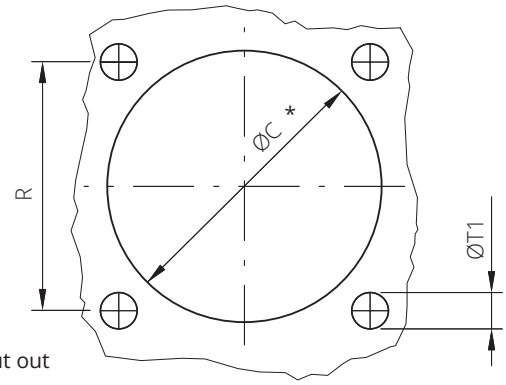
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVS 00AGT 20-27SX CR CD5 F7 G N

CVS - Threaded Connector

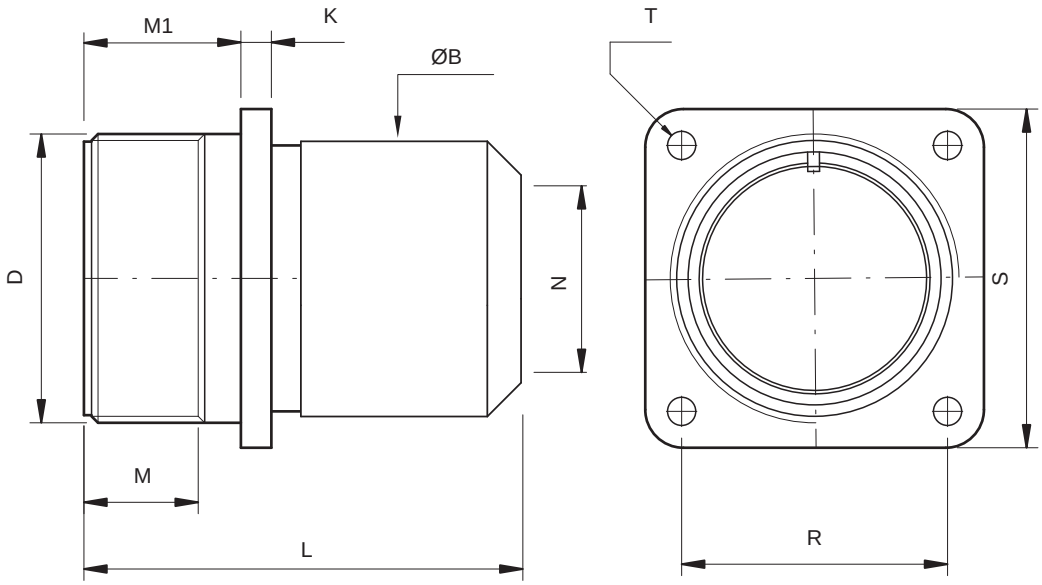
Front Mounting Receptacle (00) with Backshell Class (P)

Connector with backshell for potting.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



Shell size	D Connectors Thread in inches	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	5/8"-24 UNEF	**	**	2.8	9.9	14.2	**	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	**	**	3.2	11.4	14.5	**	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	**	**	3.2	11.4	14.2	**	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	**	**	3.2	15.9	19	**	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	**	**	4	15.9	19	**	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	32	47.7	4	15.9	19	24.8	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	**	**	4	15.9	19.7	**	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	39	49.5	4	15.9	20.6	31.3	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	45	49.5	4	15.9	20.6	36.1	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	**	**	4	15.9	22.2	**	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	**	**	4	15.9	22.2	**	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	**	**	4	15.9	22.2	**	55.6	69.8	4.4	4.5	61

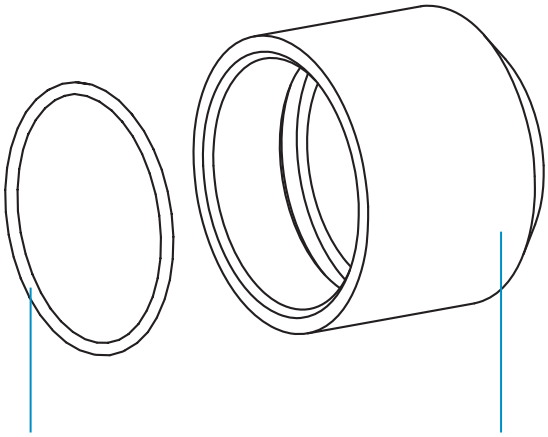
*** On request*

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	00	P	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
00	**Shell Type**	00	Front mounting Receptacle
P	**Connector Class**	P	with waterproof O-ring (IP67***)
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	S	Socket contacts
		P	Pin contacts

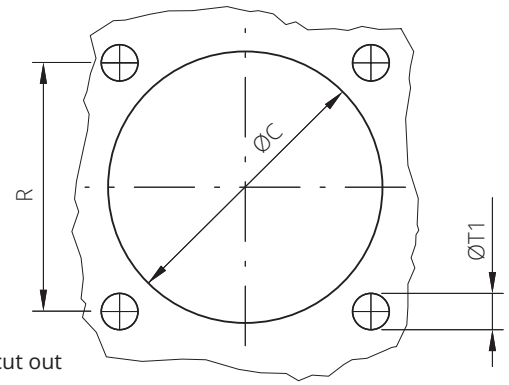
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

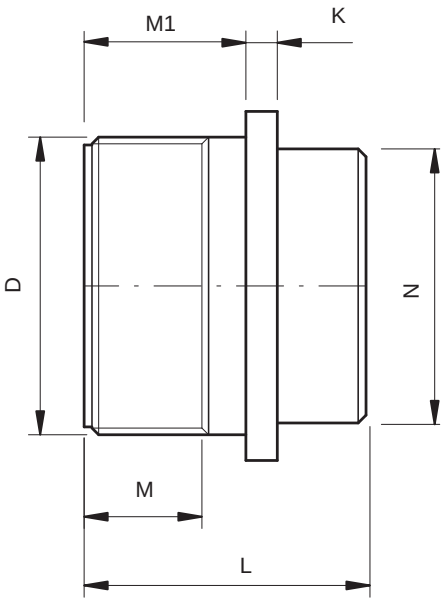
P/N Sample: RF CVS 00PT 20-27SX CR CD5 F7 G N

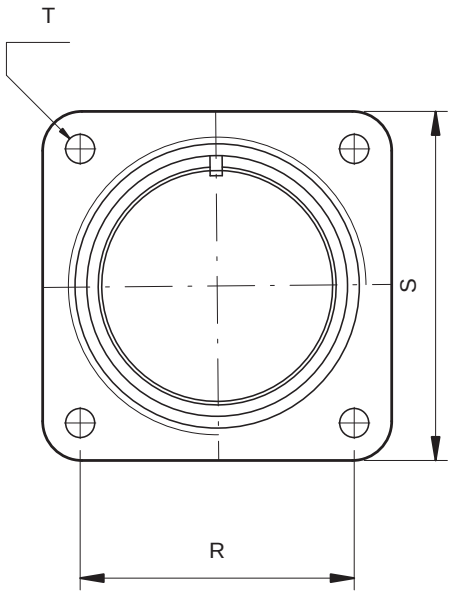
CVS - Threaded Connector

Front Mounting Receptacle (020) without Accessories (To be purchased separately)



Panel cut out





Shell size	D Connectors Thread in inches	L	K ±0.2	M ±0.2	M1 ±0.2	N Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC ±0.2
10SL	5/8"-24 UNEF	24.6	2.8	9.9	14.2	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24.6	3.2	11.4	14.5	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	24.6	3.2	11.4	14.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	34.1	3.2	15.9	19	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	34.3	4	15.9	19	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	34.3	4	15.9	19	1" 1/8-18 UNEF	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	34.3	4	15.9	19.7	1" 1/4-18 UNEF	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	35.8	4	15.9	20.6	1" 3/8-18 UNEF	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	35.8	4	15.9	20.6	1" 5/8-18 UNEF	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	37.6	4	15.9	22.2	1" 7/8-16 UN	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	37.6	4	15.9	22.2	2" 1/16-16 UNS	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	37.6	4	15.9	22.2	2" 5/16-16 UNS	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	020		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

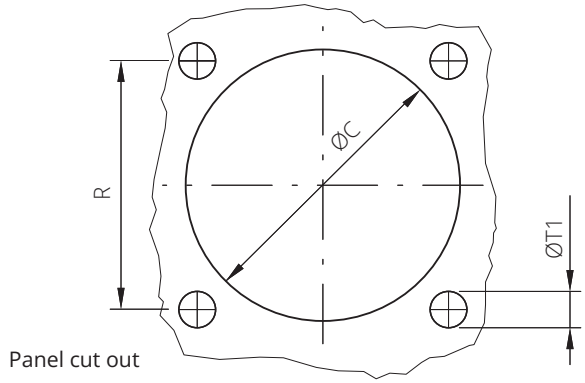
RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	**CVS**	Threaded Connector
303	**Shell Material**	**-**	Aluminum
		303	Stainless Steel
020	**Shell Type**	**020**	Front mounting Receptacle
T	**Connector Modification****	**T**	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	**-**	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP65)
N	**Modification Code****	**N**	Consult our sales office
		S	

P/N Sample: RF CVS 020T 20-27SX CR CD5 F7 G N

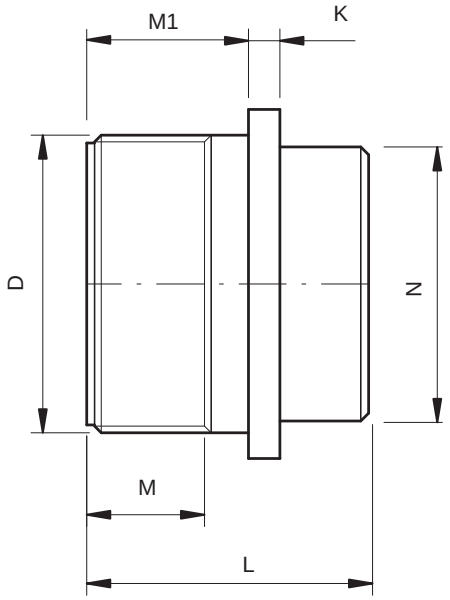
(*) RoHS compliance *(**) If required*

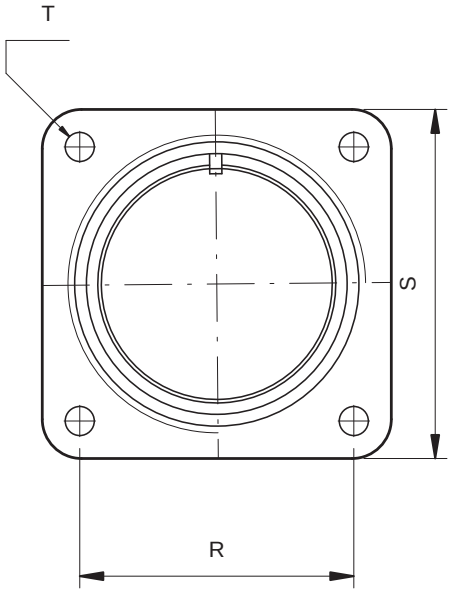
CVS - Threaded Connector

Front Mounting Receptacle (02 - 02A - 02R) unable to accept Rear Accessories



Panel cut out





Shell size	D Connectors Thread in inches	L	K ±0.2	M ±0.2	M1 ±0.2	ØN Max	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC ±0.2
10SL	5/8"-24 UNEF	24.6	2.8	9.9	14.2	16.1	18.2	25.4	3.1	3.4	17
14S	7/8"-20 UNEF	24.6	3.2	11.4	14.5	19.2	23	30.2	3.1	3.4	20
16S	1"-20 UNEF	24.6	3.2	11.4	14.2	22.5	24.6	32.5	3.1	3.4	23
16	1"-20 UNEF	34.1	3.2	15.9	19	22.4	24.6	32.5	3.1	3.4	23
18	1"1/8-18 UNEF	34.3	4	15.9	19	25.4	27	34.9	3.1	3.4	26.5
20	1"1/4-18 UNEF	34.3	4	15.9	19	28.8	29.4	38.1	3.1	3.4	30
22	1"3/8-18 UNEF	34.3	4	15.9	19.7	32.2	31.8	41	3.1	3.4	33
24	1"1/2-18 UNEF	35.8	4	15.9	20.6	35.3	34.9	44.5	3.7	3.9	36
28	1"3/4-18 UNS	35.8	4	15.9	20.6	41.5	39.7	50.8	3.7	3.9	42
32	2"-18 UNS	37.6	4	15.9	22.2	47.8	44.5	57	4.4	4.5	48.5
36	2"1/4-16 UN	37.6	4	15.9	22.2	52.6	49.2	63.5	4.4	4.5	55
40	2"1/2-16 UN	37.6	4	15.9	22.2	59.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	02		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	CVS	Threaded Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
02	**Shell Type**	02	Front mounting receptacle connector unable to accept rear accessories (standard version)
		02A	Front mounting receptacle connector non enviromental (equivalent MS3102A threaded version)
		02R	Front mounting receptacle connector enviromental seal (unable to accept rear accessories)
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
		DS	PCB contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP65)
N	**Modification Code****	N	Consult our sales office
		S	

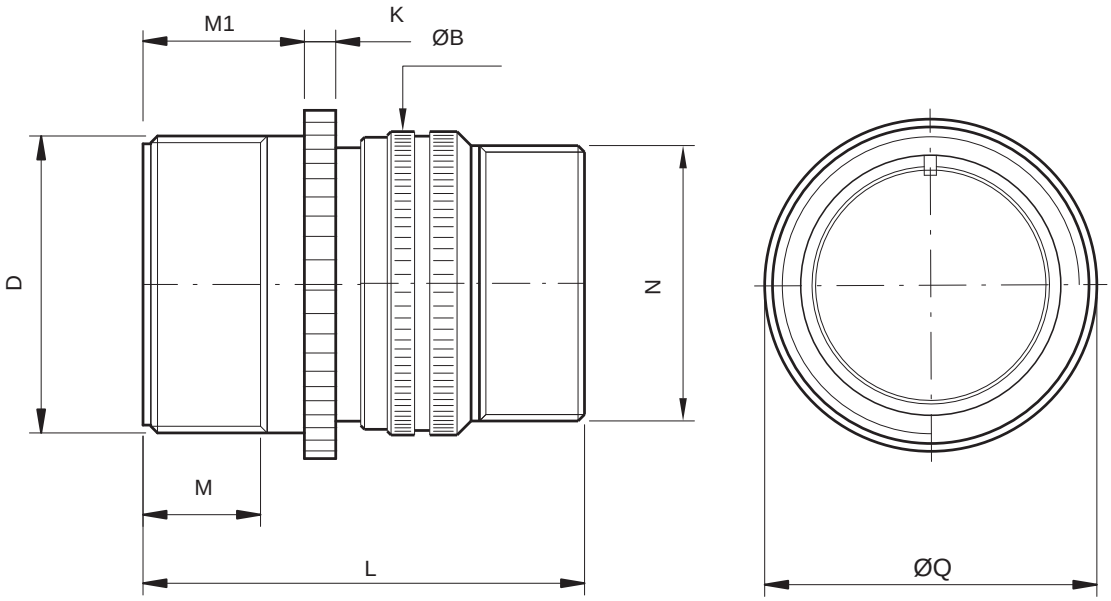
P/N Sample: RF CVS 02T 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (A - DA - RA)

Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



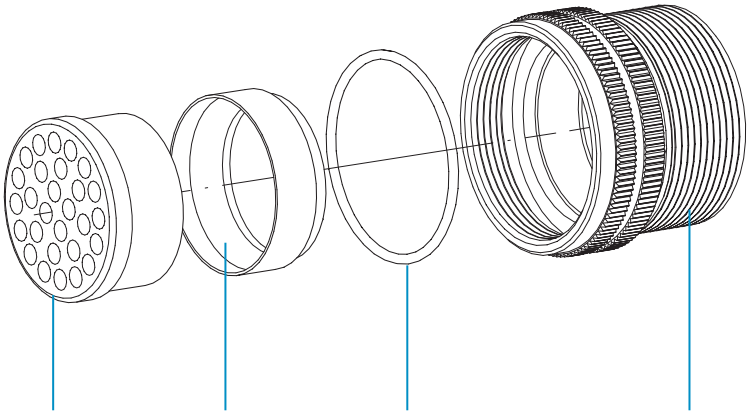
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N Backshell Thread in inches
10SL	5/8"-24 UNEF	22	20	41	2.8	9.9	14.2	5/8"-24 UNEF
14S	7/8"-20 UNEF	29	24	42.5	3.2	11.4	14.5	3/4"-20 UNEF
16S	1"-20 UNEF	31	27	42.5	3.2	11.4	14.2	7/8"-20 UNEF
16	1"-20 UNEF	31	27	50	3.2	15.9	19	7/8"-20 UNEF
18	1"1/8-18 UNEF	34	30	52	4	15.9	19	1"-20 UNEF
20	1"1/4-18 UNEF	37	32	51	4	15.9	19	1" 3/16-18 UNEF
22	1"3/8-18 UNEF	40	37	54	4	15.9	19.7	1" 3/16-18 UNEF
24	1"1/2-18 UNEF	44	40	54	4	15.9	20.6	1" 7/16-18 UNEF
28	1"3/4-18 UNS	49.5	45	62	4	15.9	20.6	1" 7/16-18 UNEF
32	2"-18 UNS	56	52	63	4	15.9	22.2	1" 3/4-18 UNS
36	2"1/4-16 UN	62.5	58	63	4	15.9	22.2	2"-18 UNS
40	2"1/2-16 UN	68.5	63.2	63	4	15.9	22.2	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	01	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

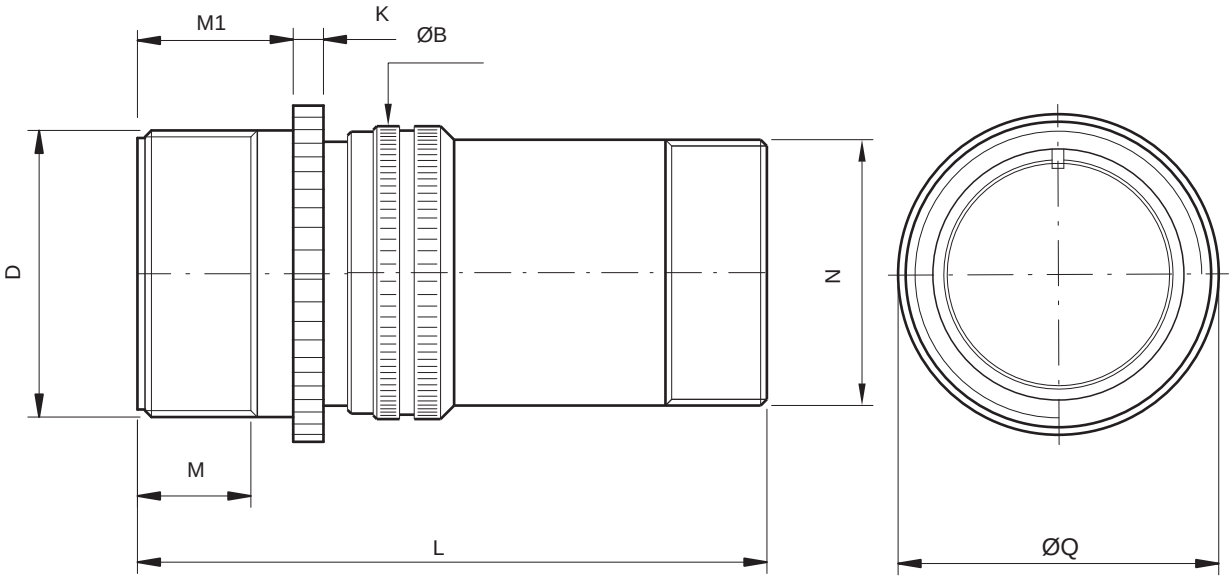
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVS 01DAT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (LA - LDA - LRA)

Connector with long backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



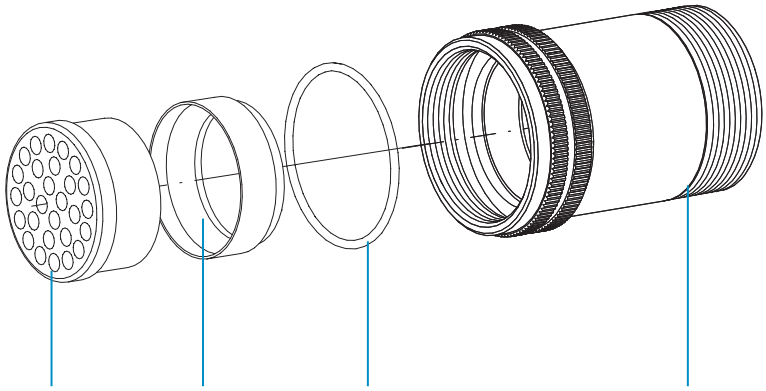
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N Backshell Thread in inches
10SL	5/8"-24 UNEF	22	20	67	2.8	9.9	14.2	5/8"-24 UNEF
14S	7/8"-20 UNEF	29	24	67	3.2	11.4	14.5	3/4"-20 UNEF
16S	1"-20 UNEF	31	27	67	3.2	11.4	14.2	7/8"-20 UNEF
16	1"-20 UNEF	31	27	77	3.2	15.9	19	7/8"-20 UNEF
18	1"1/8-18 UNEF	34	30	77.5	4	15.9	19	1"-20 UNEF
20	1"1/4-18 UNEF	37	32	78	4	15.9	19	1" 3/16-18 UNEF
22	1"3/8-18 UNEF	40	37	79	4	15.9	19.7	1" 3/16-18 UNEF
24	1"1/2-18 UNEF	44	40	81	4	15.9	20.6	1" 7/16-18 UNEF
28	1"3/4-18 UNS	49.5	45	81	4	15.9	20.6	1" 7/16-18 UNEF
32	2"-18 UNS	56	52	95.5	4	15.9	22.2	1" 3/4-18 UNS
36	2"1/4-16 UN	62.5	58	95.5	4	15.9	22.2	2"-18 UNS
40	2"1/2-16 UN	68.5	63.2	95.5	4	15.9	22.2	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	01	LDA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
01	Shell Type	01	In-line receptacle
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

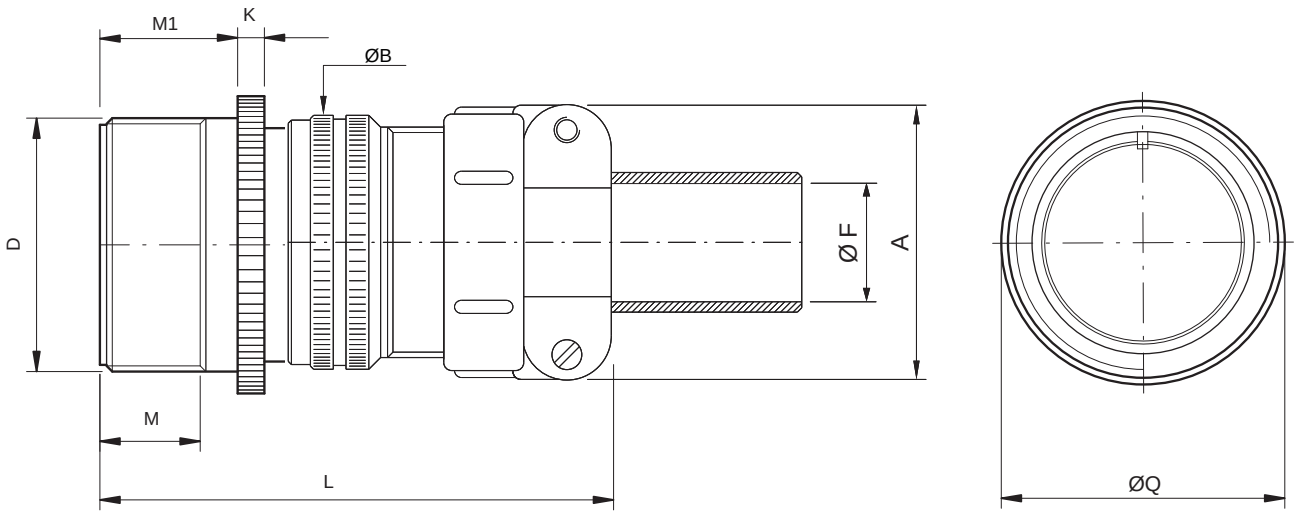
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVS 01LDAT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



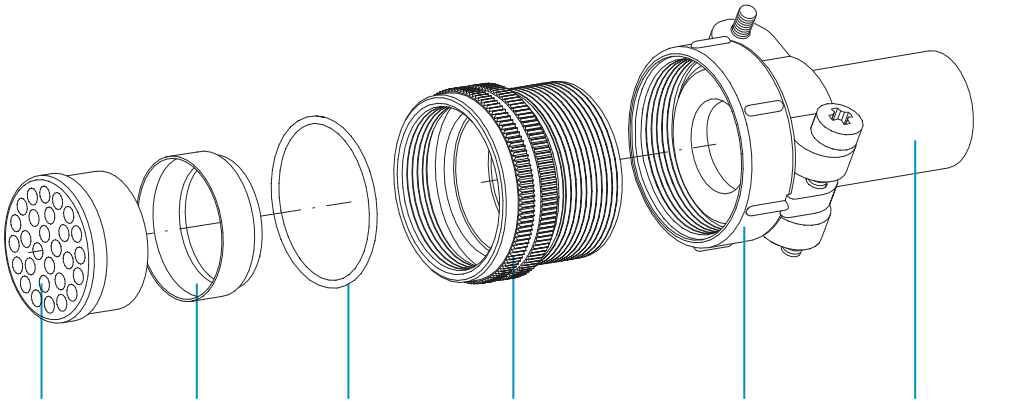
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22	20	51	2.8	9.9	14.2	22.5	5.6
14S	7/8"-20 UNEF	29	24	54.5	3.2	11.4	14.5	28	7.9
16S	1"-20 UNEF	31	27	56	3.2	11.4	14.2	30	11
16	1"-20 UNEF	31	27	63.5	3.2	15.9	19	30	11
18	1"1/8-18 UNEF	34	30	66.5	4	15.9	19	31.7	14.2
20	1"1/4-18 UNEF	37	32	66.5	4	15.9	19	37.5	15.8
22	1"3/8-18 UNEF	40	37	69.5	4	15.9	19.7	37.5	15.8
24	1"1/2-18 UNEF	44	40	69.5	4	15.9	20.6	43.5	19
28	1"3/4-18 UNS	49.5	45	77.5	4	15.9	20.6	43.5	19
32	2"-18 UNS	56	52	78.5	4	15.9	22.2	51.7	23.8
36	2"1/4-16 UN	62.5	58	78.5	4	15.9	22.2	58.5	31.7
40	2"1/2-16 UN	68.5	63.2	92	4	15.9	22.2	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	**CVS**	Threaded Connector
	Shell Material	**-**	Aluminum
01	**Shell Type**	**01**	In-line receptacle
AF	**Connector Class**	**F**	with waterproof O-ring and grommet (IP54)
		AF	with waterproof O-ring (IP54)
T	**Connector Modification****	**T**	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	**Modification Code****	**N**	Consult our sales office
		S	

P/N Sample: RF CVS 01AFT 20-27SX CR CD5 F7 N

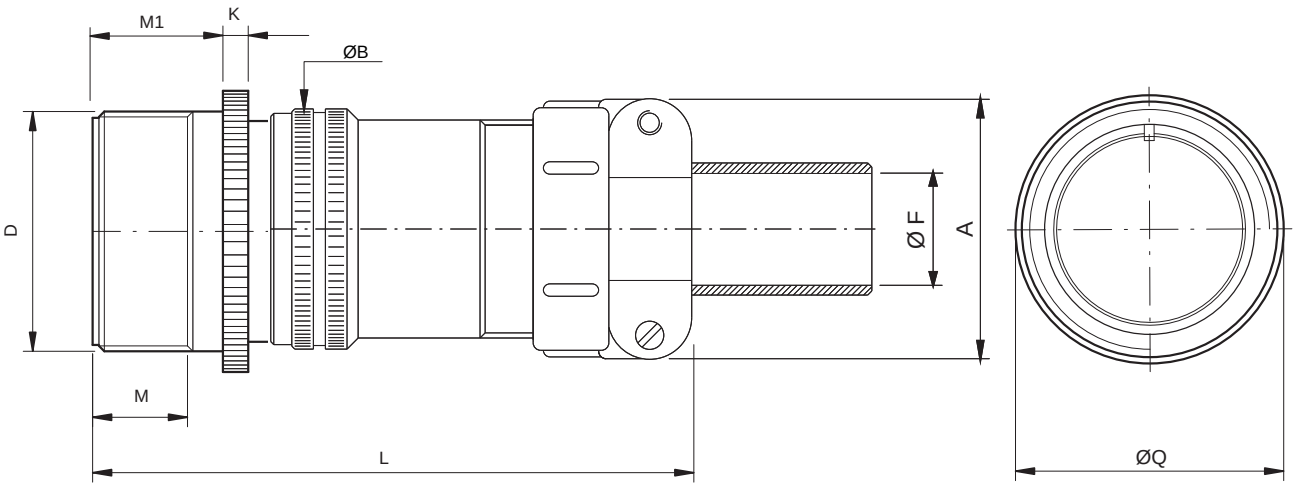
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



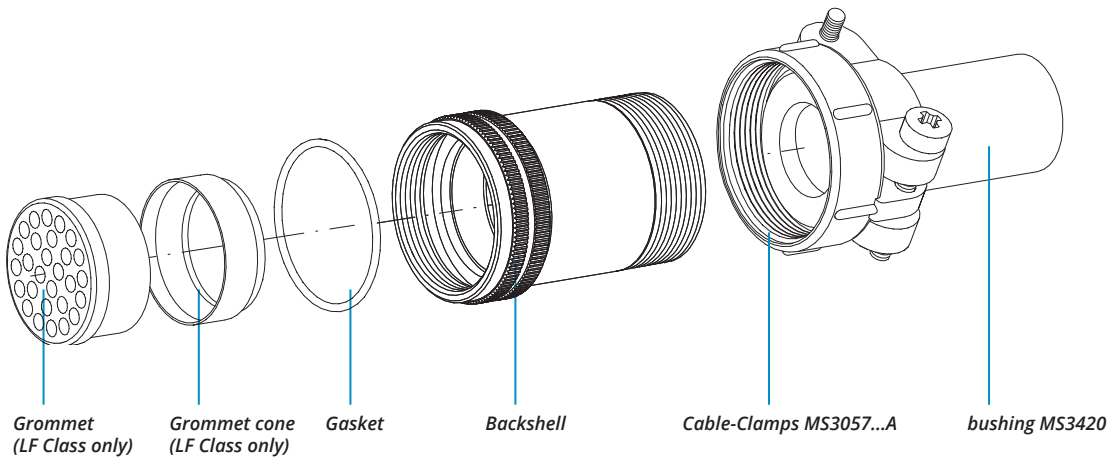
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22	20	77	2.8	9.9	14.2	22.5	5.6
14S	7/8"-20 UNEF	29	24	79	3.2	11.4	14.5	28	7.9
16S	1"-20 UNEF	31	27	80.5	3.2	11.4	14.2	30	11
16	1"-20 UNEF	31	27	90.5	3.2	15.9	19	30	11
18	1"1/8-18 UNEF	34	30	93	4	15.9	19	31.7	14.2
20	1"1/4-18 UNEF	37	32	93.5	4	15.9	19	37.5	15.8
22	1"3/8-18 UNEF	40	37	94.5	4	15.9	19.7	37.5	15.8
24	1"1/2-18 UNEF	44	40	96.5	4	15.9	20.6	43.5	19
28	1"3/4-18 UNS	49.5	45	96.5	4	15.9	20.6	43.5	19
32	2"-18 UNS	56	52	111	4	15.9	22.2	51.7	23.8
36	2"1/4-16 UN	62.5	58	111	4	15.9	22.2	58.5	31.7
40	2"1/2-16 UN	68.5	63.2	124.5	4	15.9	22.2	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	LAF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
LAF	Connector Class	LF	with waterproof O-ring and grommet (IP54)
		LAF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 01LAFT 20-27SX CR CD5 F7 N

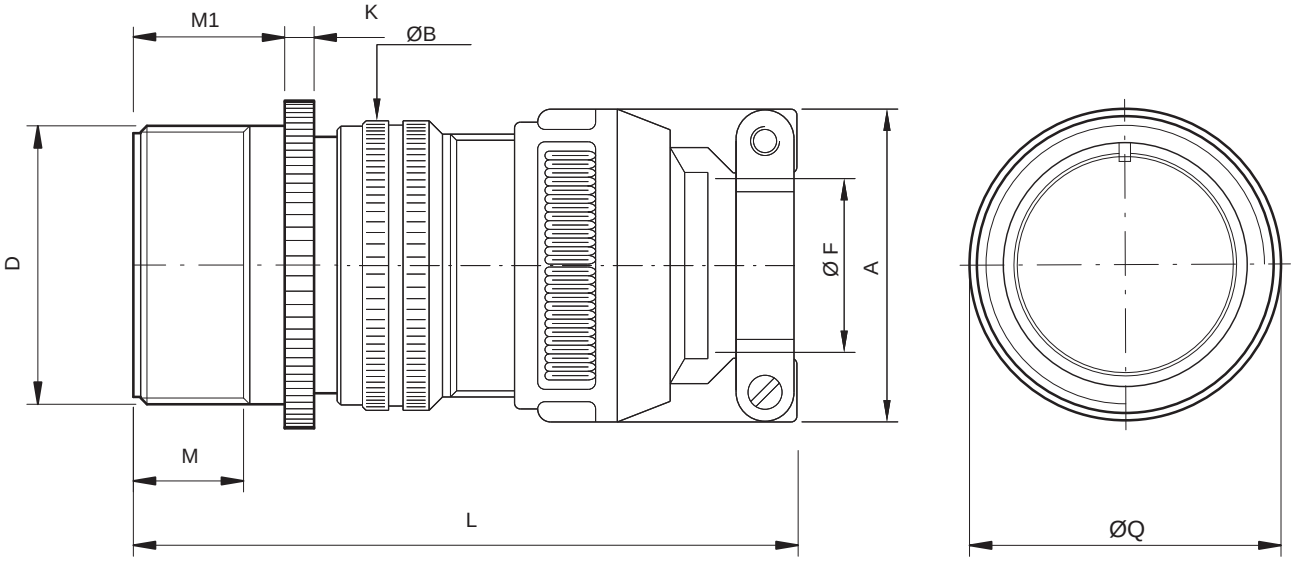
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



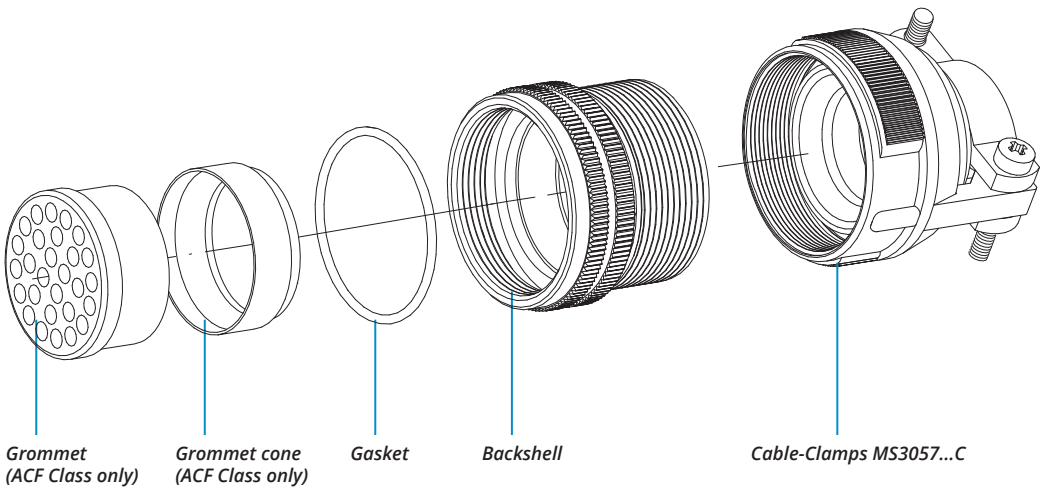
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable dimension	
									Min	Max
10SL	5/8"-24 UNEF	22	20	65	2.8	9.9	14.2	23	2.4	7.9
14S	7/8"-20 UNEF	29	24	66.5	3.2	11.4	14.5	26	5.8	11.2
16S	1"-20 UNEF	31	27	67.5	3.2	11.4	14.2	28.5	8	13.5
16	1"-20 UNEF	31	27	75	3.2	15.9	19	28.5	8	13.5
18	1"1/8-18 UNEF	34	30	78.5	4	15.9	19	32	9.6	15.9
20	1"1/4-18 UNEF	37	32	77.5	4	15.9	19	37.5	11.3	19
22	1"3/8-18 UNEF	40	37	80.5	4	15.9	19.7	37.5	11.3	19
24	1"1/2-18 UNEF	44	40	87.5	4	15.9	20.6	43.5	15.5	23.8
28	1"3/4-18 UNS	49.5	45	95.5	4	15.9	20.6	43.5	15.5	23.8
32	2"-18 UNS	56	52	101	4	15.9	22.2	54	23.4	31.8
36	2"1/4-16 UN	62.5	58	105.5	4	15.9	22.2	58	25.4	35
40	2"1/2-16 UN	68.5	63.2	107	4	15.9	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	AC	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AC	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 01ACT 20-27SX CR CD5 F7 N

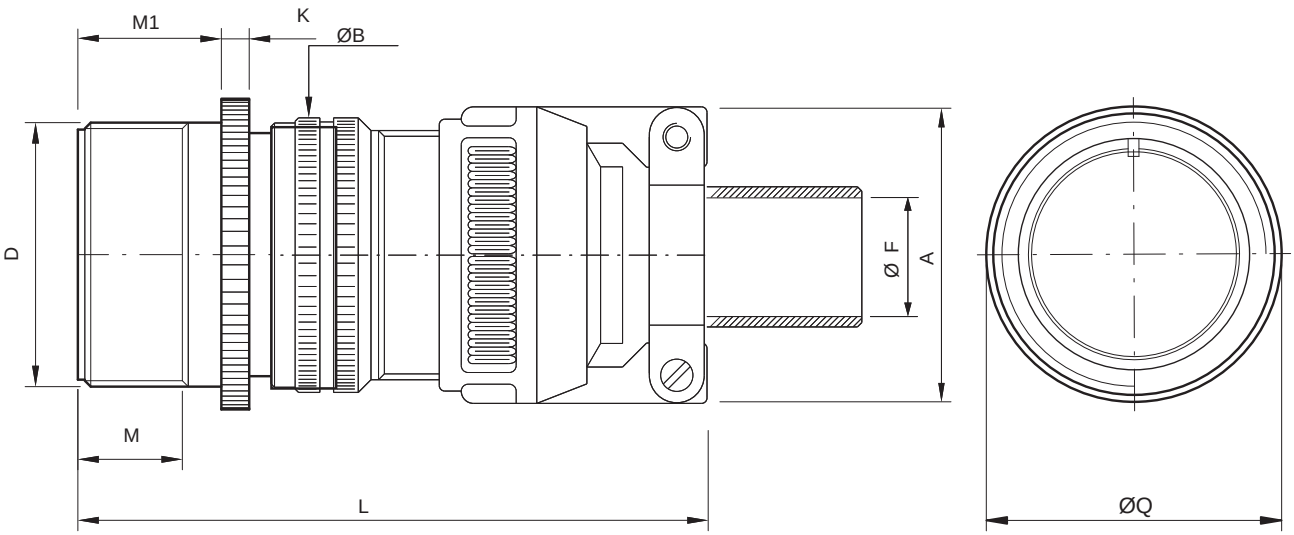
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



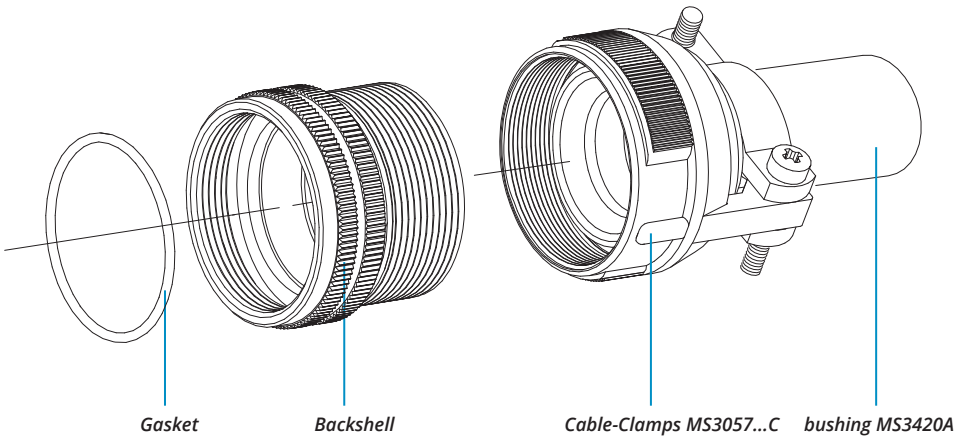
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF max cable size
10SL	5/8"-24 UNEF	22	20	65	2.8	9.9	14.2	23	5.6
14S	7/8"-20 UNEF	29	24	66.5	3.2	11.4	14.5	26	7.9
16S	1"-20 UNEF	31	27	67.5	3.2	11.4	14.2	28.5	11.1
16	1"-20 UNEF	31	27	75	3.2	15.9	19	28.5	11.1
18	1"1/8-18 UNEF	34	30	78.5	4	15.9	19	32	11.1
20	1"1/4-18 UNEF	37	32	77.5	4	15.9	19	37.5	13.7
22	1"3/8-18 UNEF	40	37	80.5	4	15.9	19.7	37.5	13.7
24	1"1/2-18 UNEF	44	40	87.5	4	15.9	20.6	43.5	19
28	1"3/4-18 UNS	49.5	45	95.5	4	15.9	20.6	43.5	19
32	2"-18 UNS	56	52	101	4	15.9	22.2	54	23.8
36	2"1/4-16 UN	62.5	58	105.5	4	15.9	22.2	58	28.5
40	2"1/2-16 UN	68.5	63.2	107	4	15.9	22.2	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 01ACBT 20-27SX CR CD5 F7 N

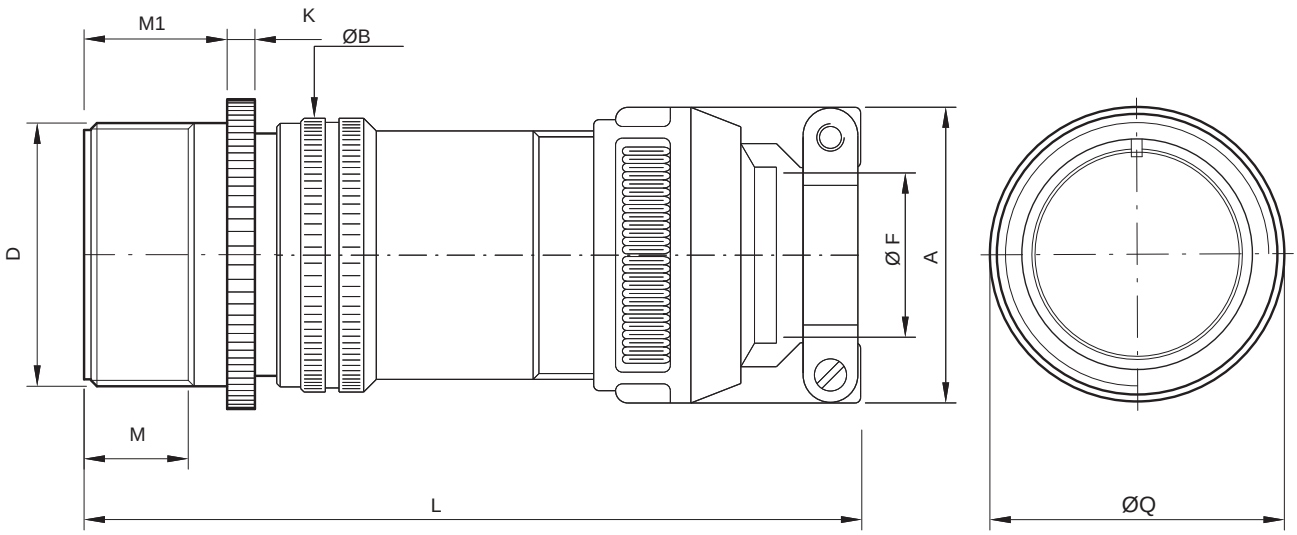
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



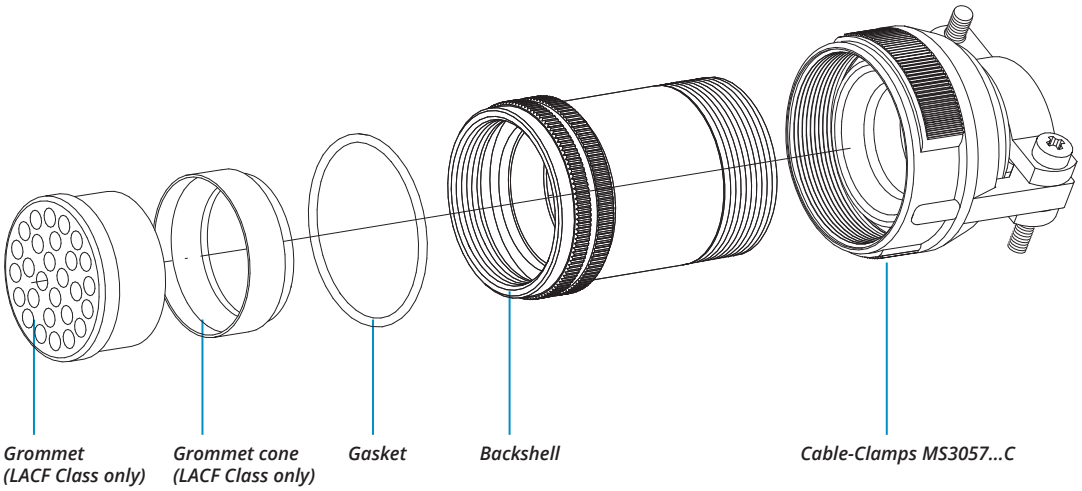
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable dimension	
									Min	Max
10SL	5/8"-24 UNEF	22	20	91	2.8	9.9	14.2	23	2.4	7.9
14S	7/8"-20 UNEF	29	24	91	3.2	11.4	14.5	26	5.8	11.2
16S	1"-20 UNEF	31	27	92	3.2	11.4	14.2	28.5	8	13.5
16	1"-20 UNEF	31	27	102	3.2	15.9	19	28.5	8	13.5
18	1"1/8-18 UNEF	34	30	105	4	15.9	19	32	9.6	15.9
20	1"1/4-18 UNEF	37	32	105	4	15.9	19	37.5	11.3	19
22	1"3/8-18 UNEF	40	37	106	4	15.9	19.7	37.5	11.3	19
24	1"1/2-18 UNEF	44	40	114.5	4	15.9	20.6	43.5	15.5	23.8
28	1"3/4-18 UNS	49.5	45	114.5	4	15.9	20.6	43.5	15.5	23.8
32	2"-18 UNS	56	52	133.5	4	15.9	22.2	54	23.4	31.8
36	2"1/4-16 UN	62.5	58	138	4	15.9	22.2	58	25.4	35
40	2"1/2-16 UN	68.5	63.2	139.5	4	15.9	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	LAC	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
LAC	Connector Class	LAC	with waterproof O-ring (IP67)
		LACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 01LACT 20-27SX CR CD5 F7 N

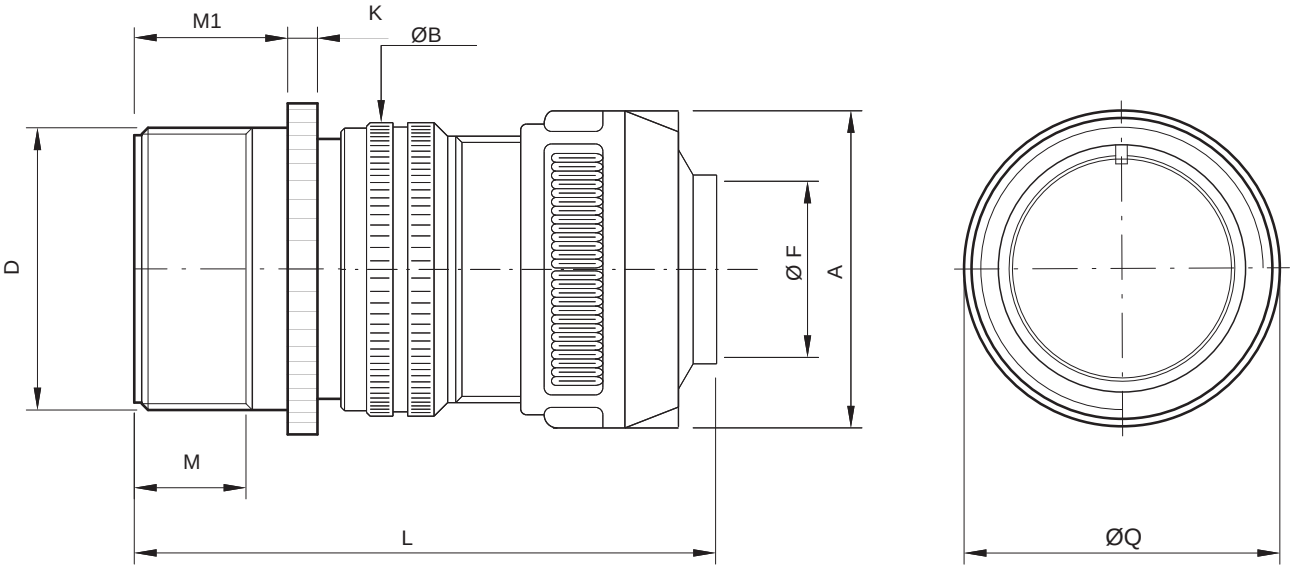
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AB)

Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



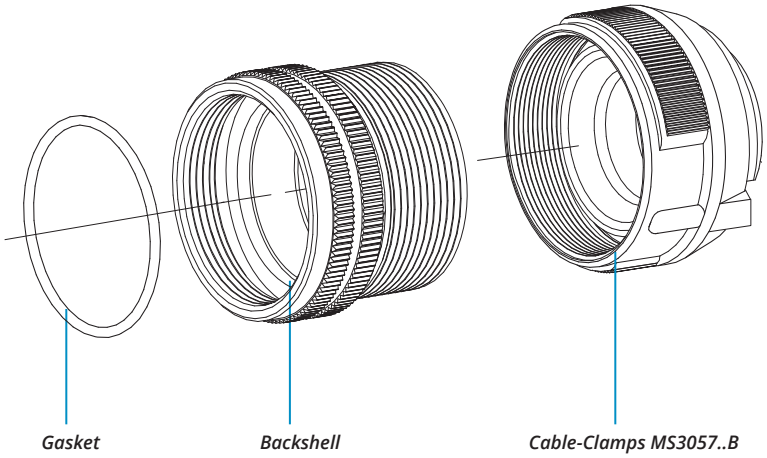
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable dimension	
									Min	Max
10SL	5/8"-24 UNEF	22	20	48.4	2.8	9.9	14.2	23	2.4	7.9
14S	7/8"-20 UNEF	29	24	56.1	3.2	11.4	14.5	26	5.8	11.2
16S	1"-20 UNEF	31	27	57.3	3.2	11.4	14.2	28.5	8	13.5
16	1"-20 UNEF	31	27	63.3	3.2	15.9	19	28.5	8	13.5
18	1"1/8-18 UNEF	34	30	68	4	15.9	19	32	9.6	15.9
20	1"1/4-18 UNEF	37	32	69.2	4	15.9	19	37.5	11.3	19
22	1"3/8-18 UNEF	40	37	71.2	4	15.9	19.7	37.5	11.3	19
24	1"1/2-18 UNEF	44	40	76.3	4	15.9	20.6	43.5	15.5	23.8
28	1"3/4-18 UNS	49.5	45	83.3	4	15.9	20.6	43.5	15.5	23.8
32	2"-18 UNS	56	52	85.1	4	15.9	22.2	54	23.4	31.8
36	2"1/4-16 UN	62.5	58	88.2	4	15.9	22.2	58	25.4	35
40	2"1/2-16 UN	68.5	63.2	91.5	4	15.9	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	AB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	**CVS**	Threaded Connector
	Shell Material	**-**	Aluminum
01	**Shell Type**	**01**	In-line receptacle
AB	**Connector Class**	**AB**	with waterproof O-ring
T	**Connector Modification****	**T**	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	**Modification Code****	**N**	Consult our sales office
		S	

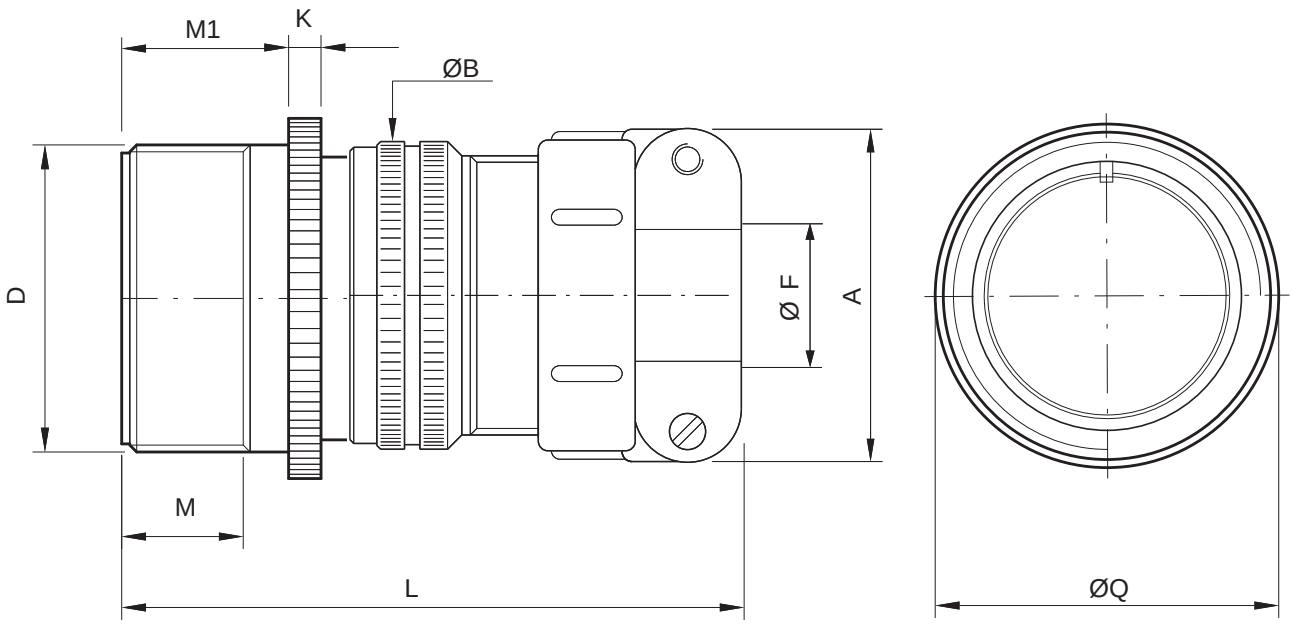
P/N Sample: RF CVS 01ABT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AS - ASF)

Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



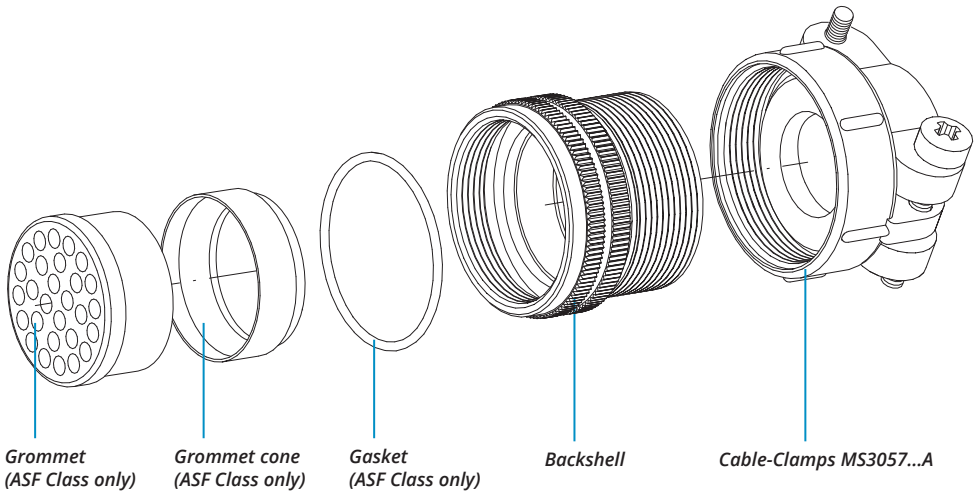
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22	20	51	2.8	9.9	14.2	22.5	8
14S	7/8"-20 UNEF	29	24	54.5	3.2	11.4	14.5	28	11
16S	1"-20 UNEF	31	27	56	3.2	11.4	14.2	30	14.2
16	1"-20 UNEF	31	27	63.5	3.2	15.9	19	30	14.2
18	1"1/8-18 UNEF	34	30	66.5	4	15.9	19	31.7	15.8
20	1"1/4-18 UNEF	37	32	66.5	4	15.9	19	37.5	19
22	1"3/8-18 UNEF	40	37	69.5	4	15.9	19.7	37.5	19
24	1"1/2-18 UNEF	44	40	69.5	4	15.9	20.6	43.5	23.8
28	1"3/4-18 UNS	49.5	45	77.5	4	15.9	20.6	43.5	23.8
32	2"-18 UNS	56	52	78.5	4	15.9	22.2	51.7	31.7
36	2"1/4-16 UN	62.5	58	78.5	4	15.9	22.2	58.5	35
40	2"1/2-16 UN	68.5	63.2	92	4	15.9	22.2	68.5	41.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	AS	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AS	Connector Class	AS	Non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 01AST 20-27SX CR CD5 F7 N

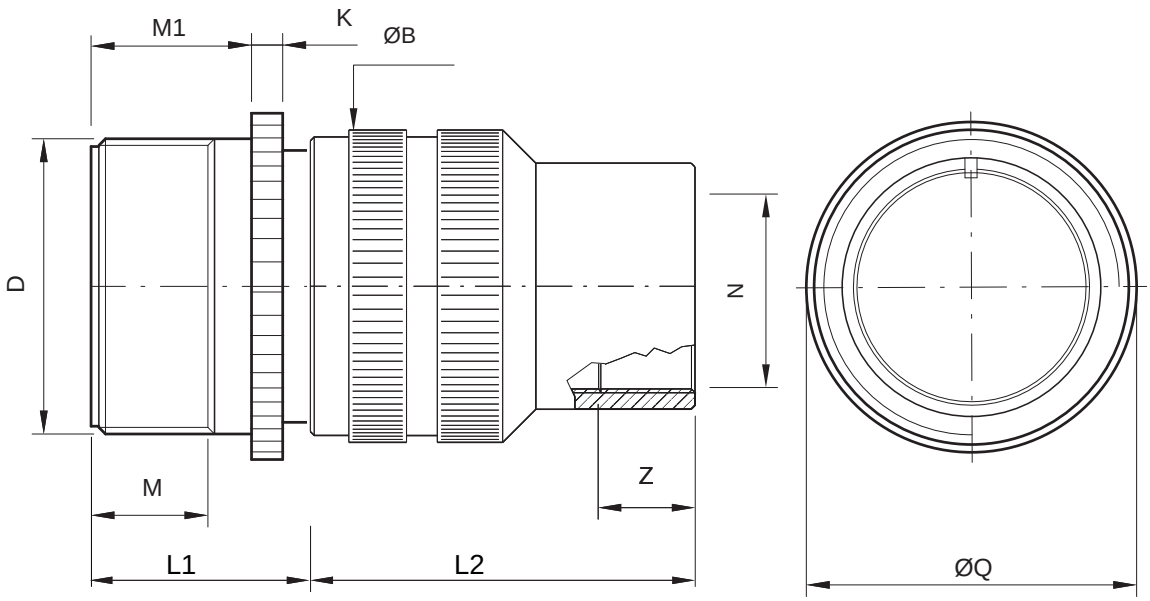
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (DA...M - RA...M - DA...PG - RA...PG)

Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	M ±0.2	M1 ±0.2	K ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG
10SL	5/8"-24 UNEF	22	20	9.9	14.2	2.8	8	18,2	M12 - M16	32	(PG9) - PG13.5	26
14S	7/8"-20 UNEF	29	24	11.4	14.5	3.2	9	19,3	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30
16S	1"-20 UNEF	31	27	11.4	14.2	3.2	9	18,5	(M16) - M20	40	PG13.5 - (PG16)	38
16	1"-20 UNEF	31	27	15.9	19	3.2	9	22,6	M20	45	PG16	40
18	1"1/8-18 UNEF	34	30	15.9	19	4	9	24	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50
20	1"1/4-18 UNEF	37	32	15.9	19	4	9	23,1	(M12) - M20	50	PG11 - PG13.5 - PG16	50
22	1"3/8-18 UNEF	40	37	15.9	19.7	4	10	23	M25 - M32	50	PG21	50
24	1"1/2-18 UNEF	44	40	15.9	20.6	4	10	25,7	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50
28	1"3/4-18 UNS	49.5	45	15.9	20.6	4	10	26,1	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60
32	2"-18 UNS	56	52	15.9	22.2	4	10	27,9	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60
36	2"1/4-16 UN	62.5	58	15.9	22.2	4	13	28,7	M40 - M50	56	PG29 - (PG36) - (PG42)	65
40	2"1/2-16 UN	68.5	63.2	15.9	22.2	4	13	28	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65

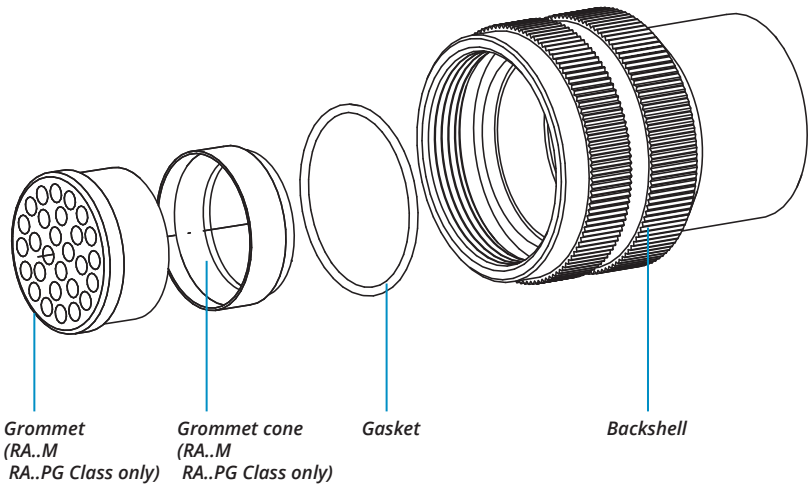
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVS - Threaded Connector

RF	CVS	303	01	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

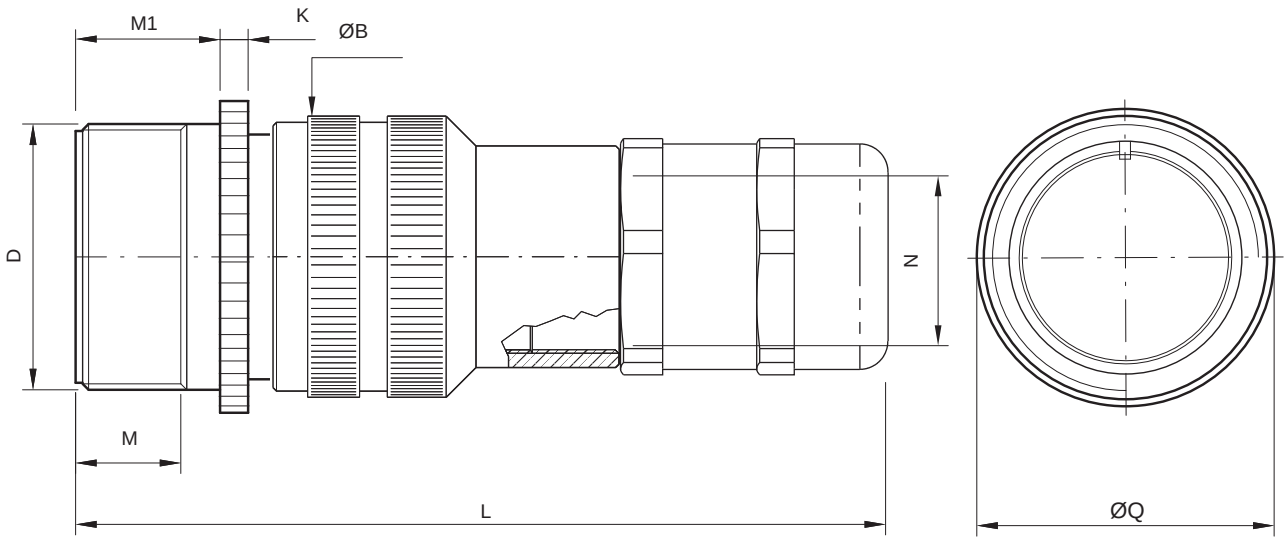
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVS 01DAT 20-27SX M12 CR CD5 F7 N

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (DA...MH - RA...MH - DA...PH - RA...PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



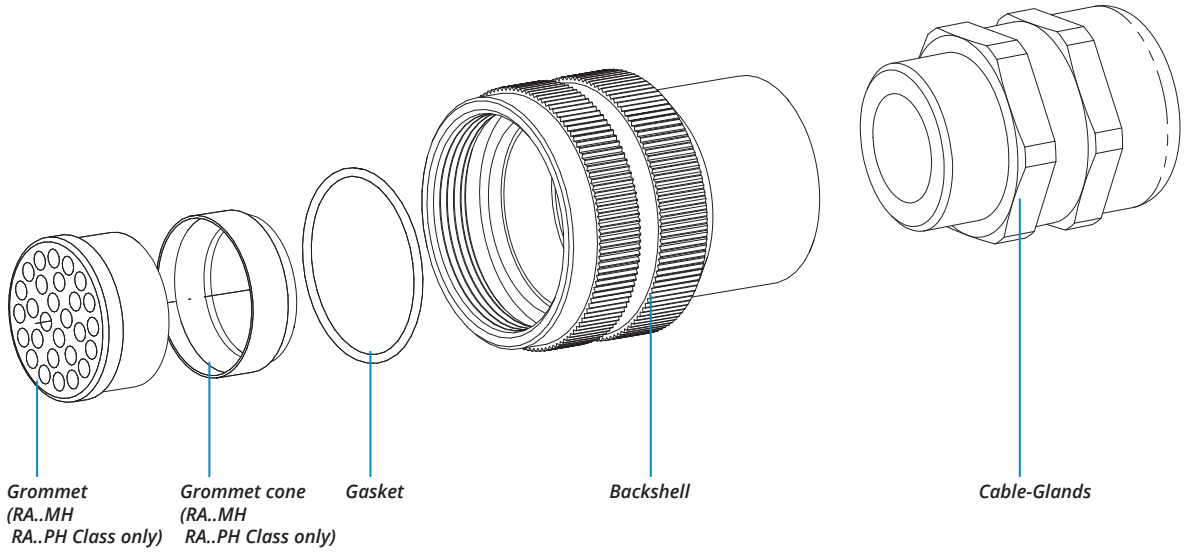
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	Backshell Metric Thread	ØN Clamping range
10SL	5/8"-24 UNEF	22	20	87	2.8	9.9	14.2	M12	3.5-7
14S	7/8"-20 UNEF	29	24	93	3.2	11.4	14.5	M16	4.5-10
16S	1"-20 UNEF	31	27	96.5	3.2	11.4	14.2	M20	7-13
16	1"-20 UNEF	31	27	103.5	3.2	15.9	19	M20	7-13
18	1"1/8-18 UNEF	34	30	103.5	4	15.9	19	M20	7-13
20	1"1/4-18 UNEF	37	32	104.5	4	15.9	19	M25	9-17
22	1"3/8-18 UNEF	40	37	110.5	4	15.9	19.7	M32	11-21
24	1"1/2-18 UNEF	44	40	112.5	4	15.9	20.6	M32	11-21
28	1"3/4-18 UNS	49.5	45	122.5	4	15.9	20.6	M32	11-21
32	2"-18 UNS	56	52	127	4	15.9	22.2	M40	19-28
36	2"1/4-16 UN	62.5	58	132	4	15.9	22.2	M40	19-28
40	2"1/2-16 UN	68.5	63.2	138	4	15.9	22.2	M40	19-28

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	01	DA	T	20-27	S	X	MH12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands***
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N S	Consult our sales office

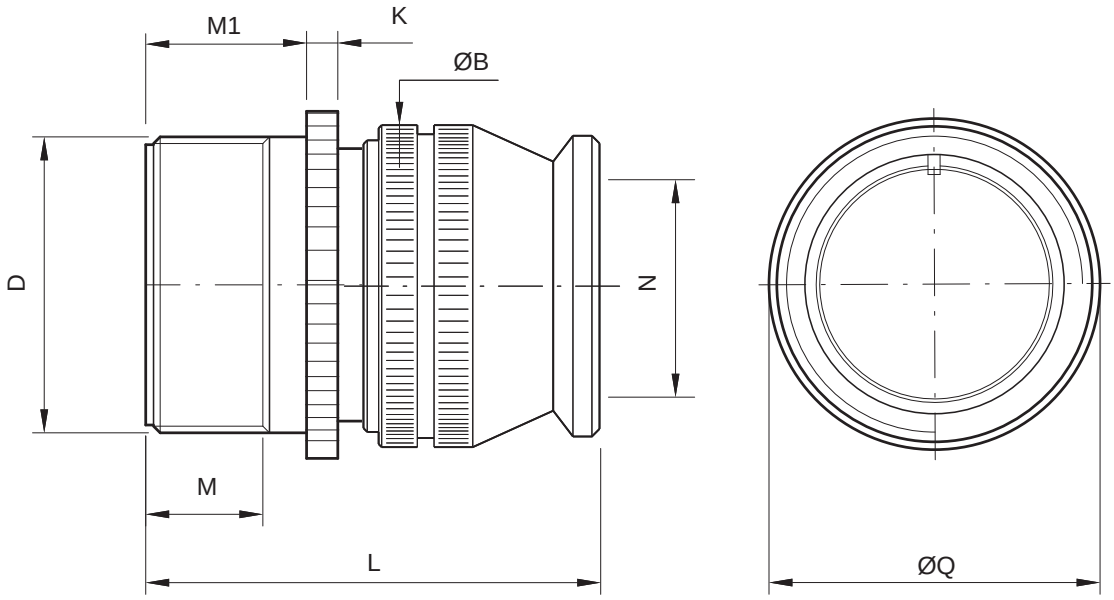
P/N Sample: RF CVS 01DAT 20-27SX MH12 CR CD5 F7 N

(*) RoHS compliance (**) If required *** *Consult our sales office*

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AR - R)

This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



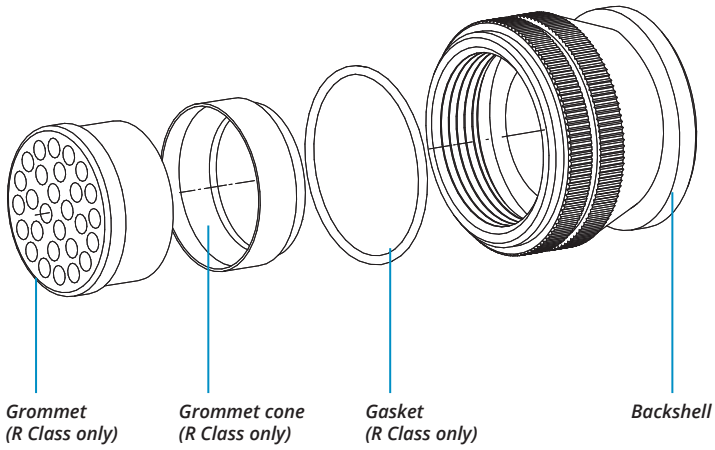
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	M1 ±0.2	N max cable dimension
10SL	5/8"-24 UNEF	22	20	41	2.8	9.9	14.2	10
14S	7/8"-20 UNEF	29	24	42	3.2	11.4	14.5	13.5
16S	1"-20 UNEF	31	27	42	3.2	11.4	14.2	16.1
16	1"-20 UNEF	31	27	49	3.2	15.9	19	16.5
18	1"1/8-18 UNEF	34	30	50	4	15.9	19	19
20	1"1/4-18 UNEF	37	32	50	4	15.9	19	22.2
22	1"3/8-18 UNEF	40	37	53	4	15.9	19.7	24.5
24	1"1/2-18 UNEF	44	40	53	4	15.9	20.6	28
28	1"3/4-18 UNS	49.5	45	61	4	15.9	20.6	32.6
32	2"-18 UNS	56	52	62	4	15.9	22.2	38
36	2"1/4-16 UN	62.5	58	62	4	15.9	22.2	45
40	2"1/2-16 UN	68.5	63.2	62	4	15.9	22.2	51.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	01	R	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
01	Shell Type	01	In-line receptacle
R	Connector Class	AR	non watertight
		R	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

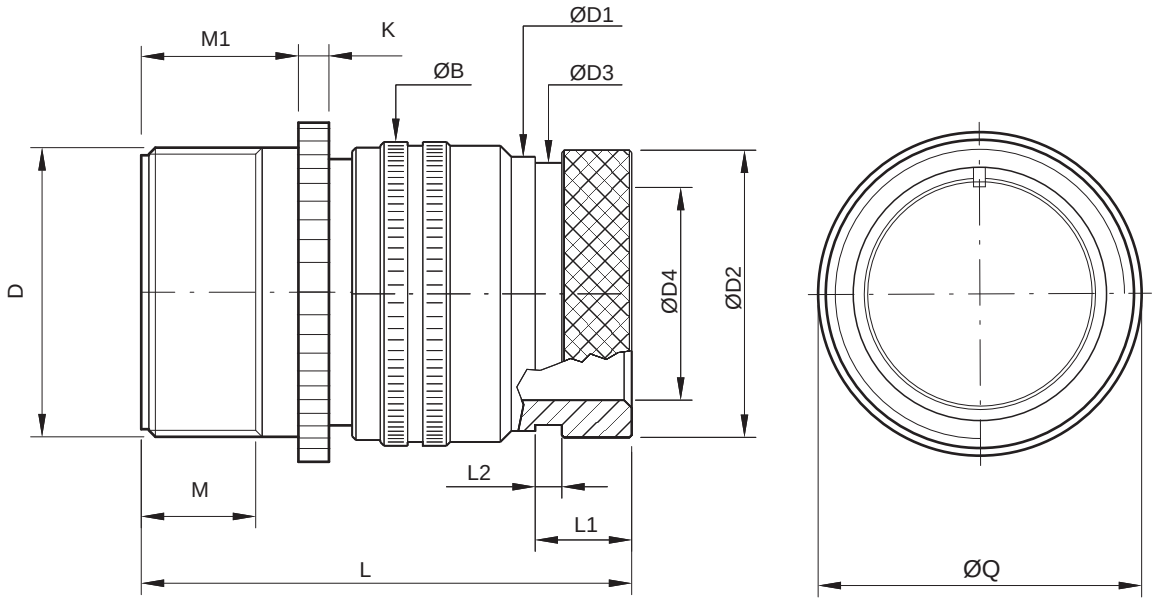
P/N Sample: RF CVS 01RT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

In-Line Receptacle (01) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



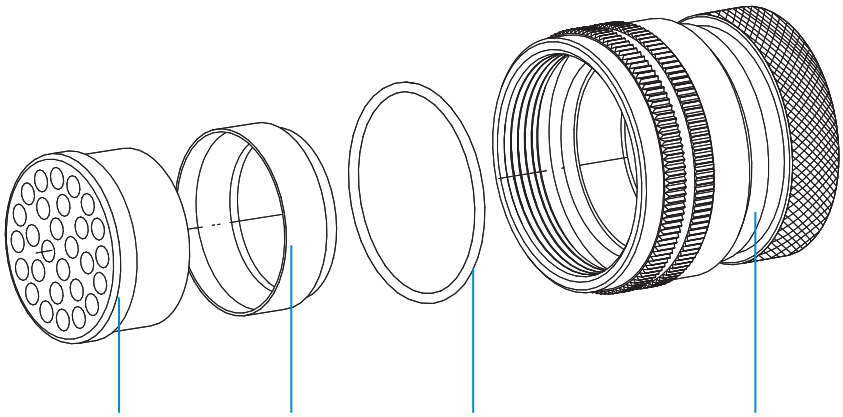
Shell size	D Connectors Thread in inches	ØQ Max	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2	K ±0.2	M ±0.2	M1 ±0.2
10SL	5/8"-24 UNEF	22	20	17	15.5	13.3	7.9	48	11.7	3.5	2.8	9.9	14.2
14S	7/8"-20 UNEF	29	24	20.1	19.1	17	13.5	48	11.7	3.5	3.2	11.4	14.5
16S	1"-20 UNEF	31	27	23.5	23.9	21.9	13.7	48	11.7	3.5	3.2	11.4	14.2
16	1"-20 UNEF	31	27	23.5	23.9	21.9	16.1	60	11.5	3.5	3.2	15.9	19
18	1"1/8-18 UNEF	34	30	26.5	23.9	21.9	19	65	11.5	3.5	4	15.9	19
20	1"1/4-18 UNEF	37	32	30.2	29.6	26.2	22.2	65	12.4	3.5	4	15.9	19
22	1"3/8-18 UNEF	40	37	33.6	29.6	26.2	22	65	12.7	3.5	4	15.9	19.7
24	1"1/2-18 UNEF	44	40	36.1	37.8	34.5	28	65	12.7	3.5	4	15.9	20.6
28	1"3/4-18 UNS	49.5	45	41.4	37.8	34.5	29	65	12.7	3.5	4	15.9	20.6
32	2"-18 UNS	56	52	50	47.8	43.4	35.2	70	15.2	3.5	4	15.9	22.2
36	2"1/4-16 UN	62.5	58	56	47.7	43.4	40	75	15.2	3.5	4	15.9	22.2
40	2"1/2-16 UN	68.5	63.2	62.4	57.6	52.4	48	77	15.2	3.5	4	15.9	22.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		01	AG	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	**CVS**	Threaded Connector
	Shell Material	**-**	Aluminum
01	**Shell Type**	**01**	In-line receptacle
AG	**Connector Class**	**AG**	with waterproof O-ring (IP67***)
		G	with waterproof O-ring and grommet (IP67***)
T	**Connector Modification****	**T**	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	**Modification Code****	**N**	Consult our sales office
		S	

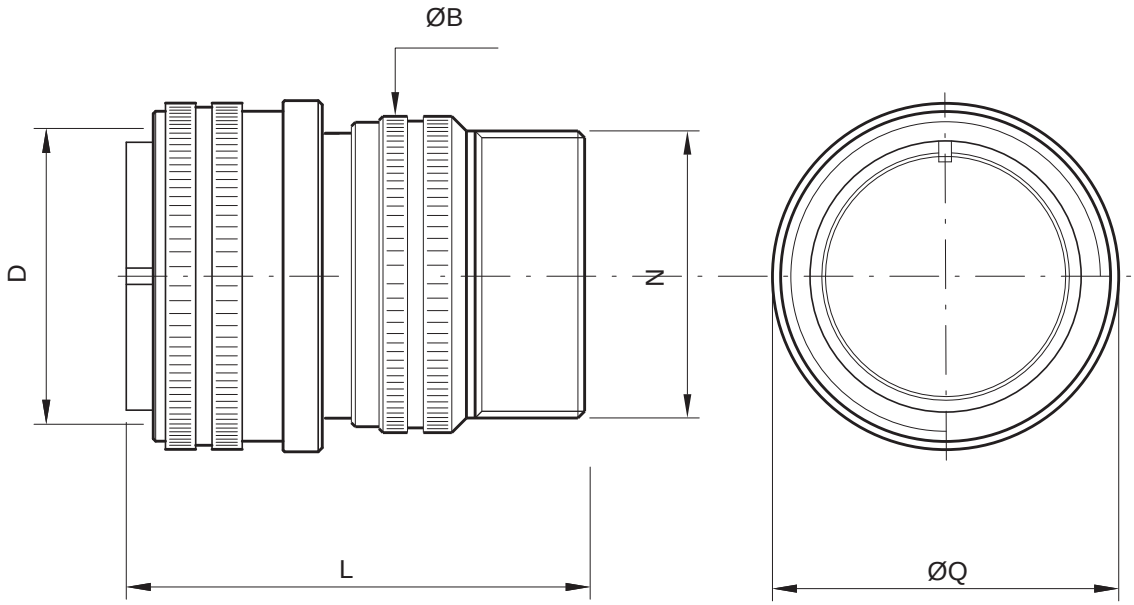
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVS 01AGT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (A - DA - RA)

Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



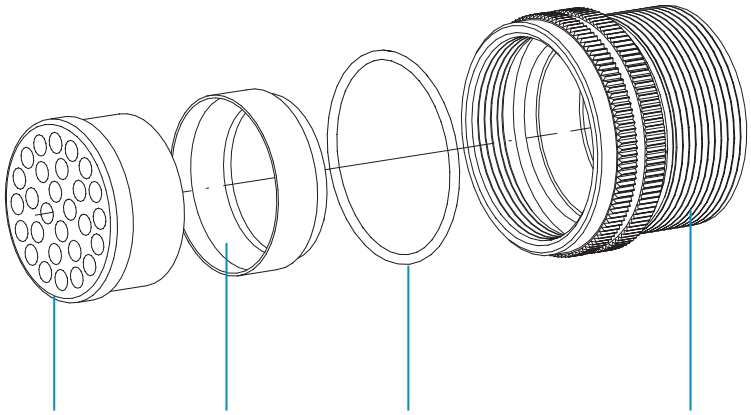
Shell size	D Connectors Thread in inches	ØQ ±0.2	ØB ±0.2	L max	N Backshell Thread in inches
10SL	5/8"-24 UNEF	22.8	20	36	5/8"-24 UNEF
14S	7/8"-20 UNEF	28.5	24	43	3/4"-20 UNEF
16S	1"-20 UNEF	31.8	27	43	7/8"-20 UNEF
16	1"-20 UNEF	31.8	27	49	7/8"-20 UNEF
18	1"1/8-18 UNEF	34	30	52	1"-20 UNEF
20	1"1/4-18 UNEF	37.3	32	52.5	1" 3/16-18 UNEF
22	1"3/8-18 UNEF	40.5	37	55	1" 3/16-18 UNEF
24	1"1/2-18 UNEF	43.5	40	55	1" 7/16-18 UNEF
28	1"3/4-18 UNS	50	45	62	1" 7/16-18 UNEF
32	2"-18 UNS	56.1	52	62	1" 3/4-18 UNS
36	2"1/4-16 UN	62.5	58	62	2"-18 UNS
40	2"1/2-16 UN	69.1	63.8	64	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	06	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

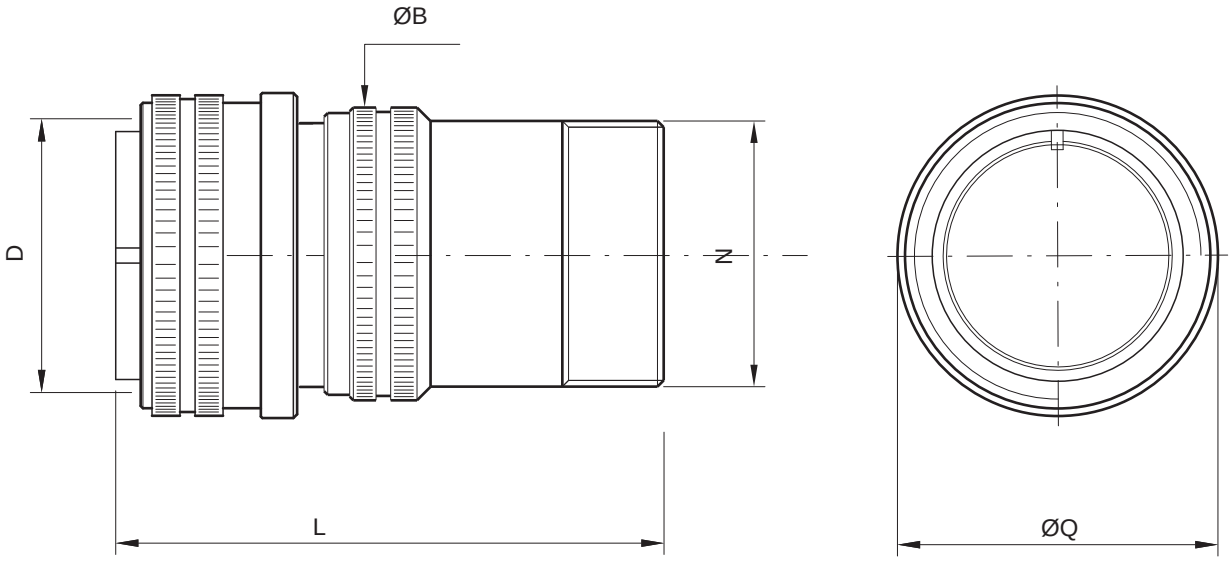
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVS 06DAT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (LA - LDA - LRA)

Connector with Llong backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



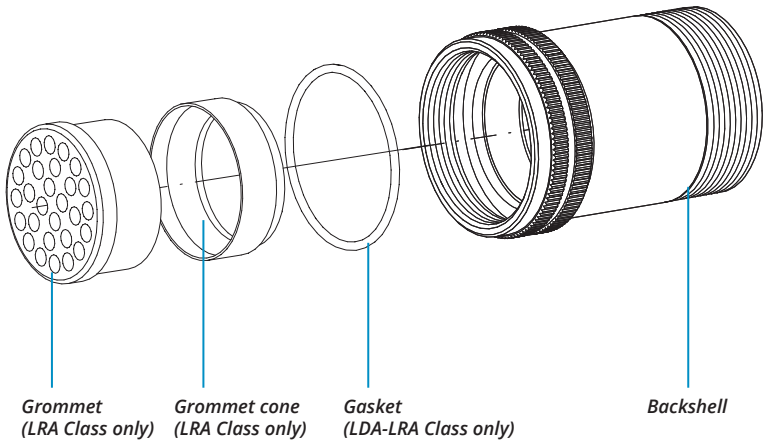
Shell size	D Connectors Thread in inches	ØQ ±0.2	ØB ±0.2	L max	N Backshell Thread in inches
10SL	5/8"-24 UNEF	22.8	20	68	5/8"-24 UNEF
14S	7/8"-20 UNEF	28.5	24	68	3/4"-20 UNEF
16S	1"-20 UNEF	31.8	27	68	7/8"-20 UNEF
16	1"-20 UNEF	31.8	27	78.5	7/8"-20 UNEF
18	1"1/8-18 UNEF	34	30	78.5	1"-20 UNEF
20	1"1/4-18 UNEF	37.3	32	79	1" 3/16-18 UNEF
22	1"3/8-18 UNEF	40.5	37	80.5	1" 3/16-18 UNEF
24	1"1/2-18 UNEF	43.5	40	81	1" 7/16-18 UNEF
28	1"3/4-18 UNS	50	45	81	1" 7/16-18 UNEF
32	2"-18 UNS	56.1	52	95.5	1" 3/4-18 UNS
36	2"1/4-16 UN	62.5	58	95.5	2"-18 UNS
40	2"1/2-16 UN	69.1	63.8	96.5	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	06	LDA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
06	Shell Type	06	Plug Connector
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

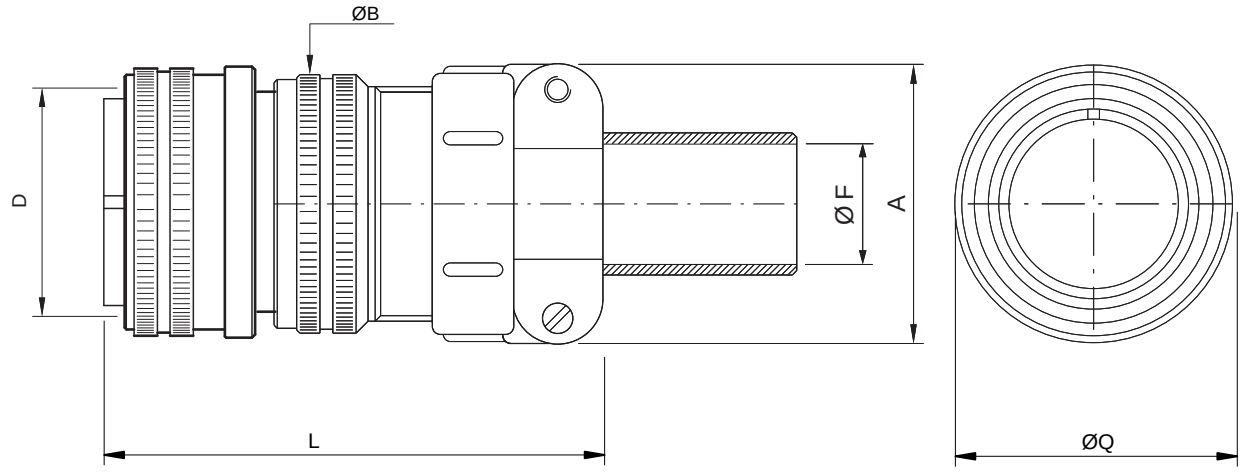
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVS 06LDAT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



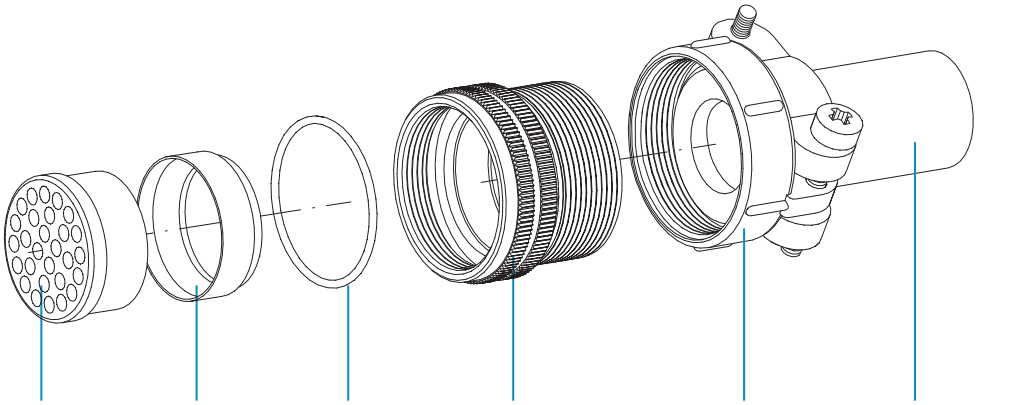
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	5/8”-24 UNEF	22.8	46	20	22.5	5.6
14S	7/8”-20 UNEF	28.5	55	24	28	7.9
16S	1”-20 UNEF	31.8	56.5	27	30	11
16	1”-20 UNEF	31.8	62.5	27	30	11
18	1”1/8-18 UNEF	34	67.5	30	31.7	14.2
20	1”1/4-18 UNEF	37.3	68	32	37.5	15.8
22	1”3/8-18 UNEF	40.5	70.5	37	37.5	15.8
24	1”1/2-18 UNEF	43.5	70.5	40	43.5	19
28	1”3/4-18 UNS	50	77.5	45	43.5	19
32	2”-18 UNS	56.1	77.5	52	51.7	23.8
36	2”1/4-16 UN	62.5	77.5	58	58.5	31.7
40	2”1/2-16 UN	69.1	93	63.8	68.5	34.9

Dimensions in mm

Dimension “L” can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AF	Connector Class	AF	with waterproof O-ring (IP54)
		F	with waterproof O-ring and grommet (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 06AFT 20-27SX CR CD5 F7 N

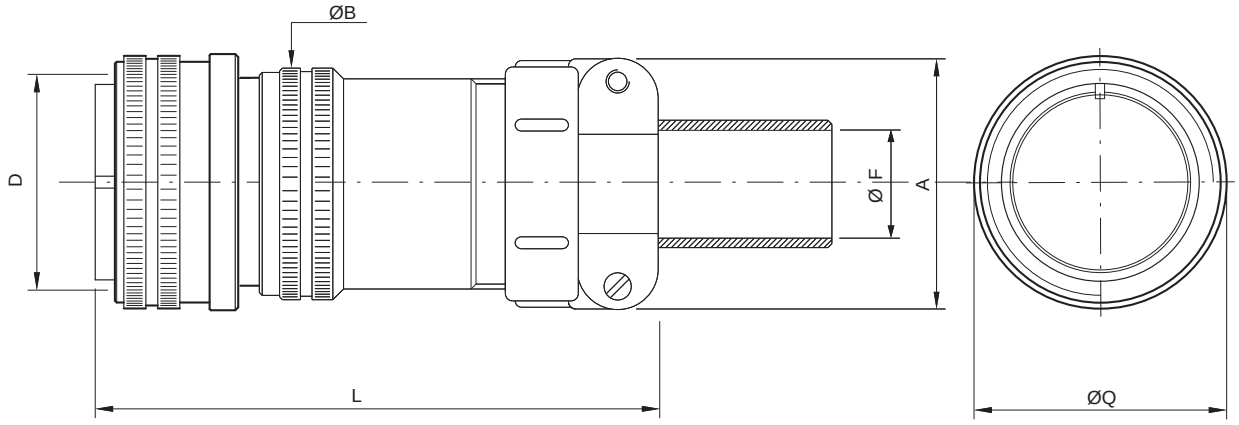
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



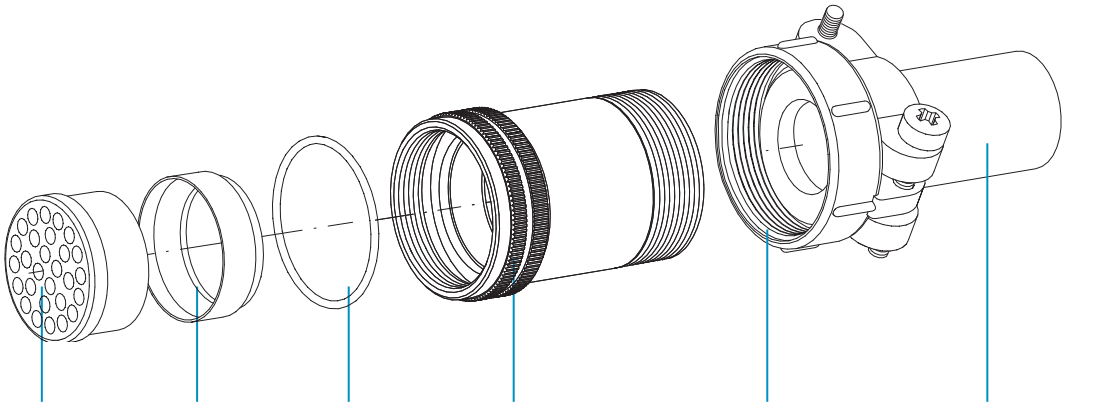
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22.8	78	20	22.5	5.6
14S	7/8"-20 UNEF	28.5	80	24	28	7.9
16S	1"-20 UNEF	31.8	81.5	27	30	11
16	1"-20 UNEF	31.8	92	27	30	11
18	1"1/8-18 UNEF	34	94	30	31.7	14.2
20	1"1/4-18 UNEF	37.3	94.5	32	37.5	15.8
22	1"3/8-18 UNEF	40.5	96	37	37.5	15.8
24	1"1/2-18 UNEF	43.5	96.5	40	43.5	19
28	1"3/4-18 UNS	50	96.5	45	43.5	19
32	2"-18 UNS	56.1	111	52	51.7	23.8
36	2"1/4-16 UN	62.5	111	58	58.5	31.7
40	2"1/2-16 UN	69.1	125.5	63.8	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	LAF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
LAF	Connector Class	LAF	with waterproof O-ring (IP54)
		LF	with waterproof O-ring and grommet (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 06LAFT 20-27SX CR CD5 F7 N

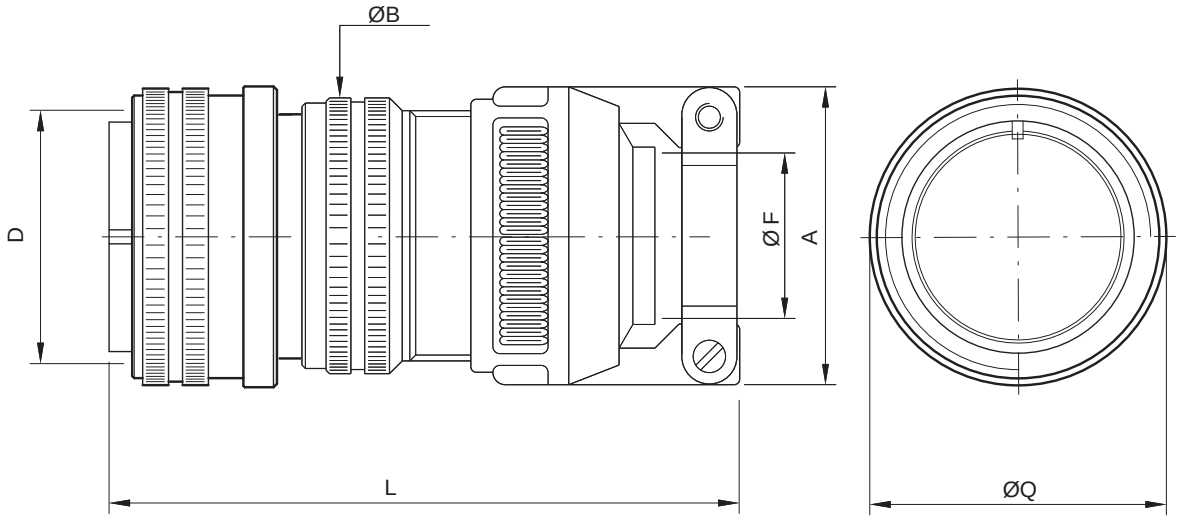
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



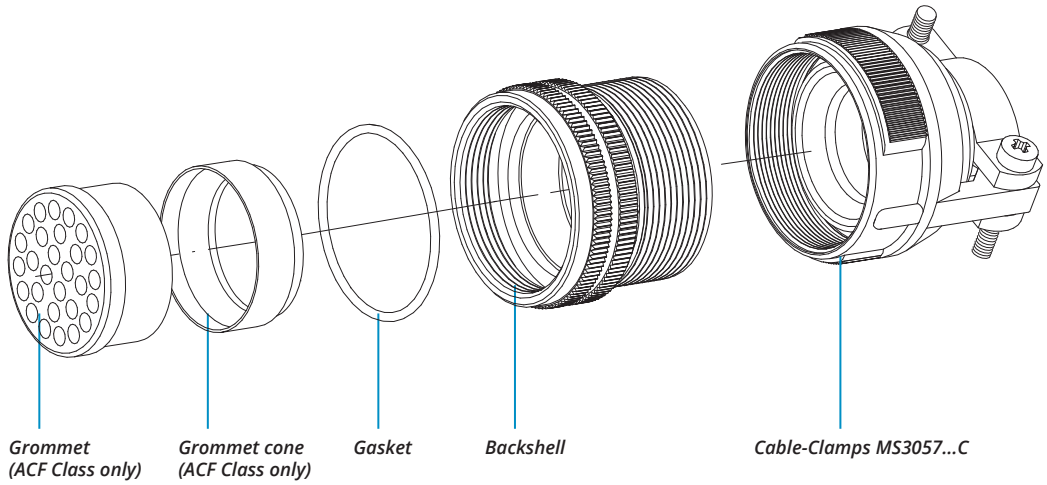
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable dimension	
						Min	Max
10SL	5/8"-24 UNEF	22.8	60	20	23	2.4	7.9
14S	7/8"-20 UNEF	28.5	67	24	26	5.8	11.2
16S	1"-20 UNEF	31.8	68	27	28.5	8	13.5
16	1"-20 UNEF	31.8	74	27	28.5	8	13.5
18	1"1/8-18 UNEF	34	79.5	30	32	9.6	15.9
20	1"1/4-18 UNEF	37.3	79.5	32	37.5	11.3	19
22	1"3/8-18 UNEF	40.5	81.5	37	37.5	11.3	19
24	1"1/2-18 UNEF	43.5	88.5	40	43.5	15.5	23.8
28	1"3/4-18 UNS	50	95.5	45	43.5	15.5	23.8
32	2"-18 UNS	56.1	100	52	54	23.4	31.8
36	2"1/4-16 UN	62.5	104.5	58	58	25.4	35
40	2"1/2-16 UN	69.1	108	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	ACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 06ACFT 20-27SX CR CD5 F7 N

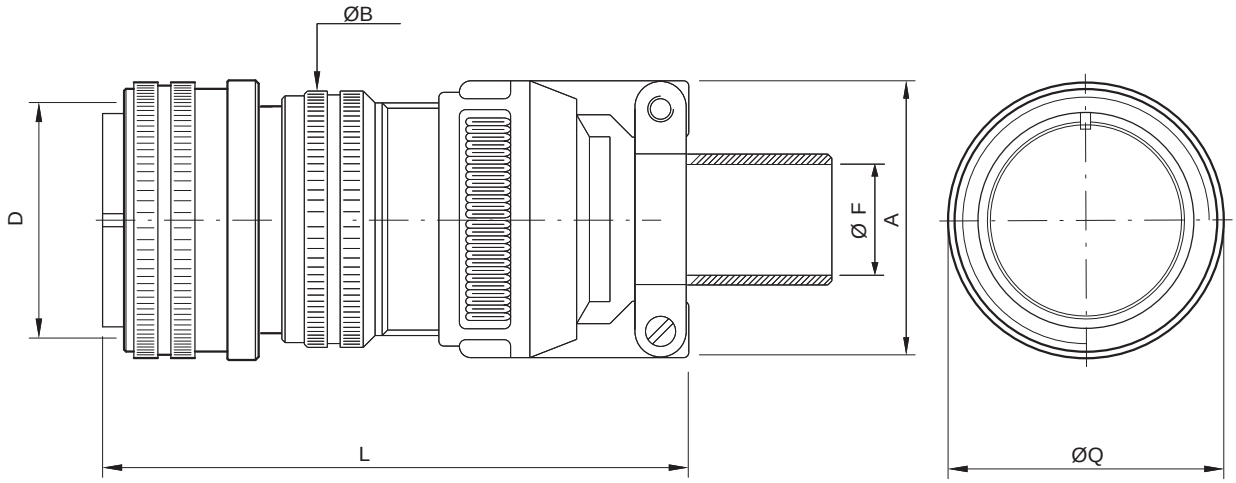
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



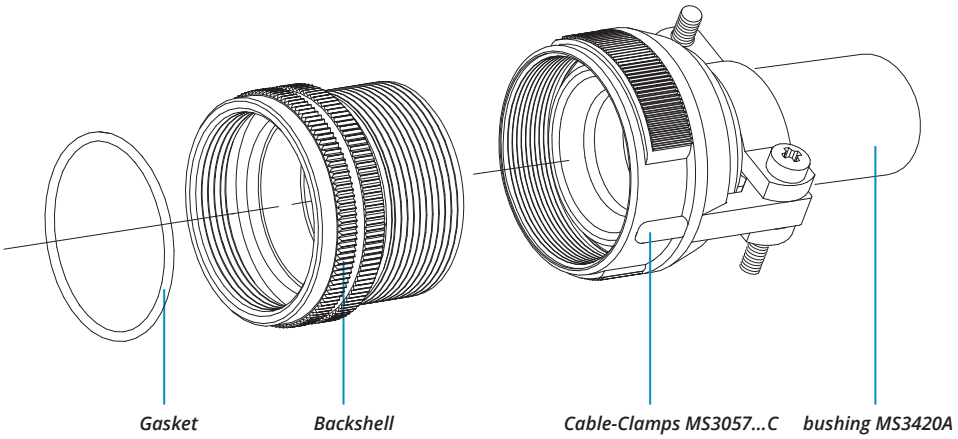
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF max cable size
10SL	5/8"-24 UNEF	22.8	60	20	23	5.6
14S	7/8"-20 UNEF	28.5	67	24	26	7.9
16S	1"-20 UNEF	31.8	68	27	28.5	11.1
16	1"-20 UNEF	31.8	74	27	28.5	11.1
18	1"1/8-18 UNEF	34	79.5	30	32	11.1
20	1"1/4-18 UNEF	37.3	79.5	32	37.5	13.7
22	1"3/8-18 UNEF	40.5	81.5	37	37.5	13.7
24	1"1/2-18 UNEF	43.5	88.5	40	43.5	19
28	1"3/4-18 UNS	50	95.5	45	43.5	19
32	2"-18 UNS	56.1	100	52	54	23.8
36	2"1/4-16 UN	62.5	104.5	58	58	28.5
40	2"1/2-16 UN	69.1	108	63.8	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 06ACBT 20-27SX CR CD5 F7 N

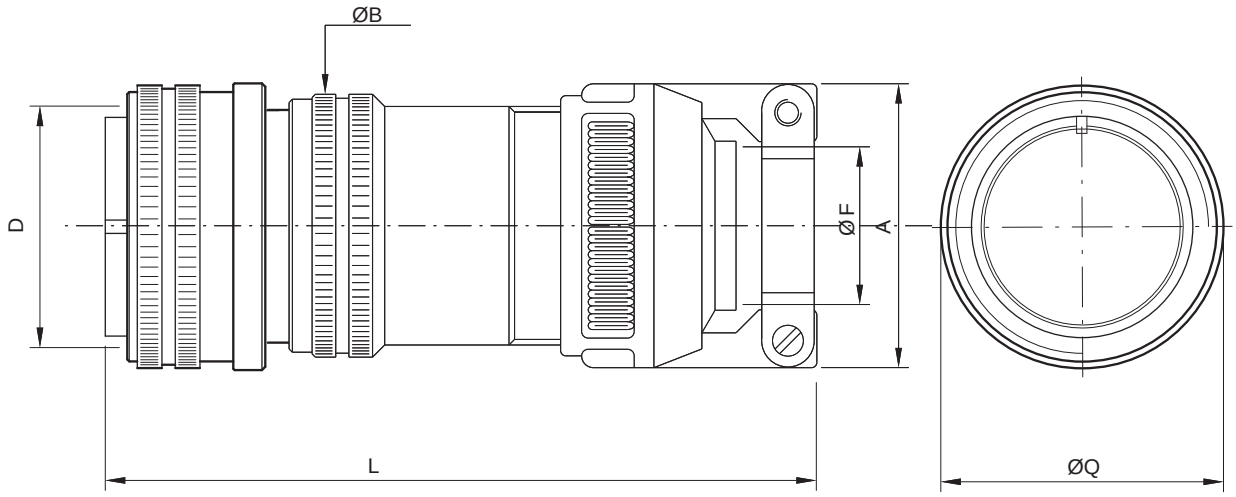
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



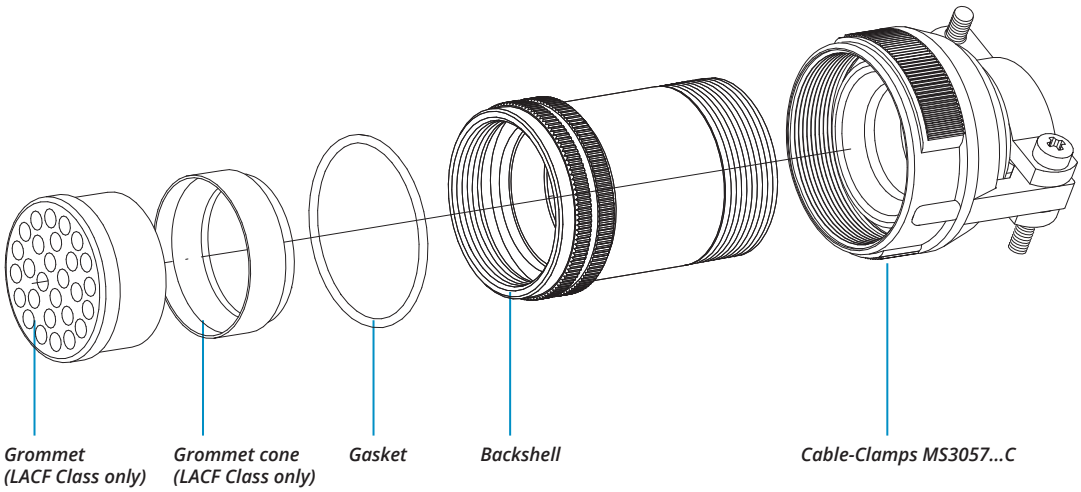
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable dimension	
						Min	Max
10SL	5/8"-24 UNEF	22.8	92	20	23	2.4	7.9
14S	7/8"-20 UNEF	28.5	92	24	26	5.8	11.2
16S	1"-20 UNEF	31.8	93	27	28.5	8	13.5
16	1"-20 UNEF	31.8	103.5	27	28.5	8	13.5
18	1"1/8-18 UNEF	34	106	30	32	9.6	15.9
20	1"1/4-18 UNEF	37.3	106	32	37.5	11.3	19
22	1"3/8-18 UNEF	40.5	107	37	37.5	11.3	19
24	1"1/2-18 UNEF	43.5	114.5	40	43.5	15.5	23.8
28	1"3/4-18 UNS	50	114.5	45	43.5	15.5	23.8
32	2"-18 UNS	56.1	133.5	52	54	23.4	31.8
36	2"1/4-16 UN	62.5	138	58	58	25.4	35
40	2"1/2-16 UN	69.1	140.5	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	LACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
LACF	Connector Class	LAC	with waterproof O-ring (IP67)
		LACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 06LACFT 20-27SX CR CD5 F7 N

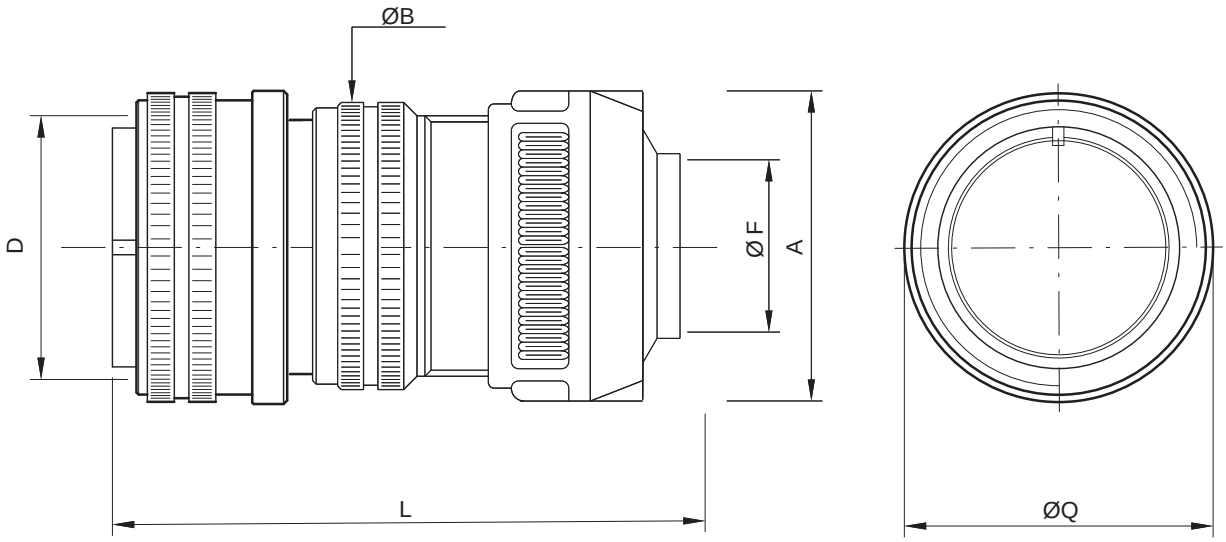
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AB)

Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



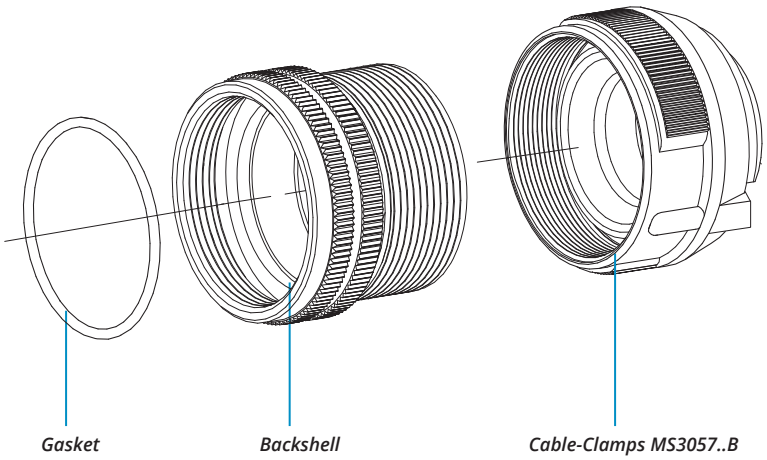
Shell size	D Connectors Thread in inches	ØQ ±0.2	L	ØB ±0.2	A max	ØF cable dimension	
						Min	Max
10SL	5/8"-24 UNEF	22.8	48.4	20	23	2.4	7.9
14S	7/8"-20 UNEF	28.5	56.1	24	26	5.8	11.2
16S	1"-20 UNEF	31.8	57.3	27	28.5	8	13.5
16	1"-20 UNEF	31.8	63.3	27	28.5	8	13.5
18	1"1/8-18 UNEF	34	68	30	32	9.6	15.9
20	1"1/4-18 UNEF	37.3	69.2	32	37.5	11.3	19
22	1"3/8-18 UNEF	40.5	71.2	37	37.5	11.3	19
24	1"1/2-18 UNEF	43.5	76.3	40	43.5	15.5	23.8
28	1"3/4-18 UNS	50	83.3	45	43.5	15.5	23.8
32	2"-18 UNS	56.1	85.1	52	54	23.4	31.8
36	2"1/4-16 UN	62.5	88.2	58	58	25.4	35
40	2"1/2-16 UN	69.1	91.5	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	AB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AB	Connector Class	AB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 06ABT 20-27SX CR CD5 F7 N

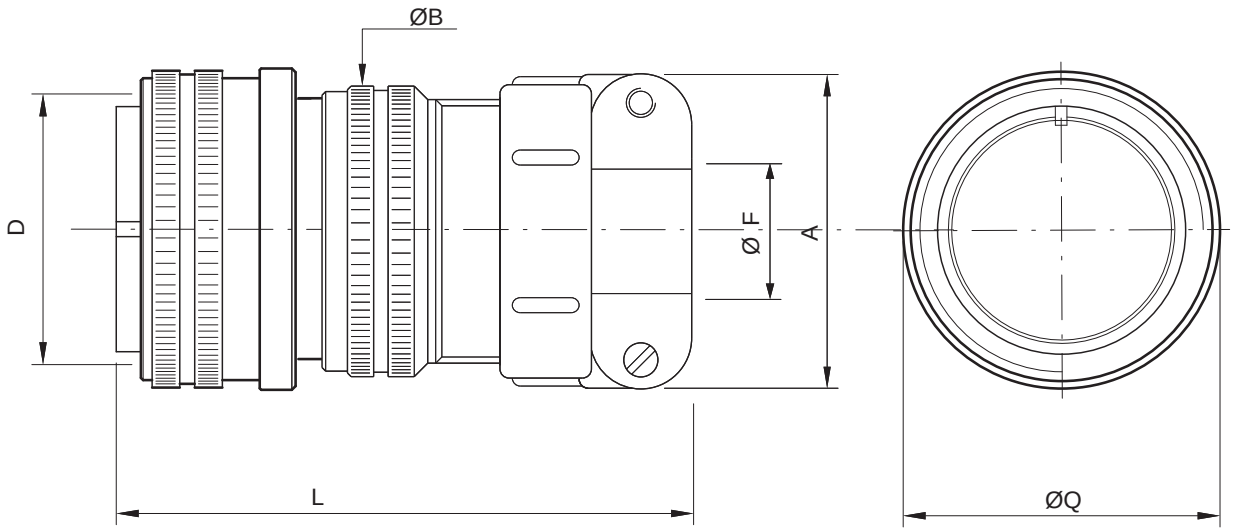
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AS - ASF)

Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



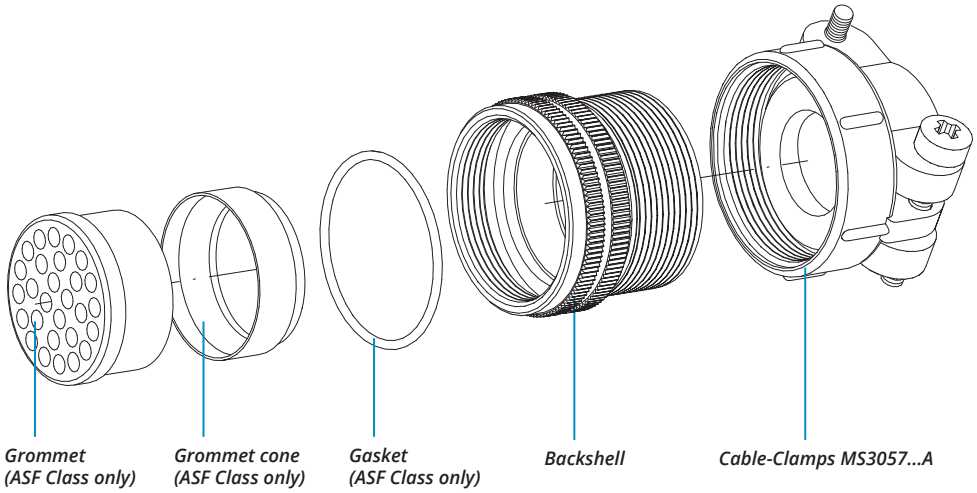
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22.8	46	20	22.5	8
14S	7/8"-20 UNEF	28.5	55	24	28	11
16S	1"-20 UNEF	31.8	56.5	27	30	14.2
16	1"-20 UNEF	31.8	62.5	27	30	14.2
18	1"1/8-18 UNEF	34	67.5	30	31.7	15.8
20	1"1/4-18 UNEF	37.3	68	32	37.5	19
22	1"3/8-18 UNEF	40.5	70.5	37	37.5	19
24	1"1/2-18 UNEF	43.5	70.5	40	43.5	23.8
28	1"3/4-18 UNS	50	77.5	45	43.5	23.8
32	2"-18 UNS	56.1	77.5	52	51.7	31.7
36	2"1/4-16 UN	62.5	77.5	58	58.5	35
40	2"1/2-16 UN	69.1	93	63.8	68.5	41.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	AS	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AS	Connector Class	AS	non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 06AST 20-27SX CR CD5 F7 N

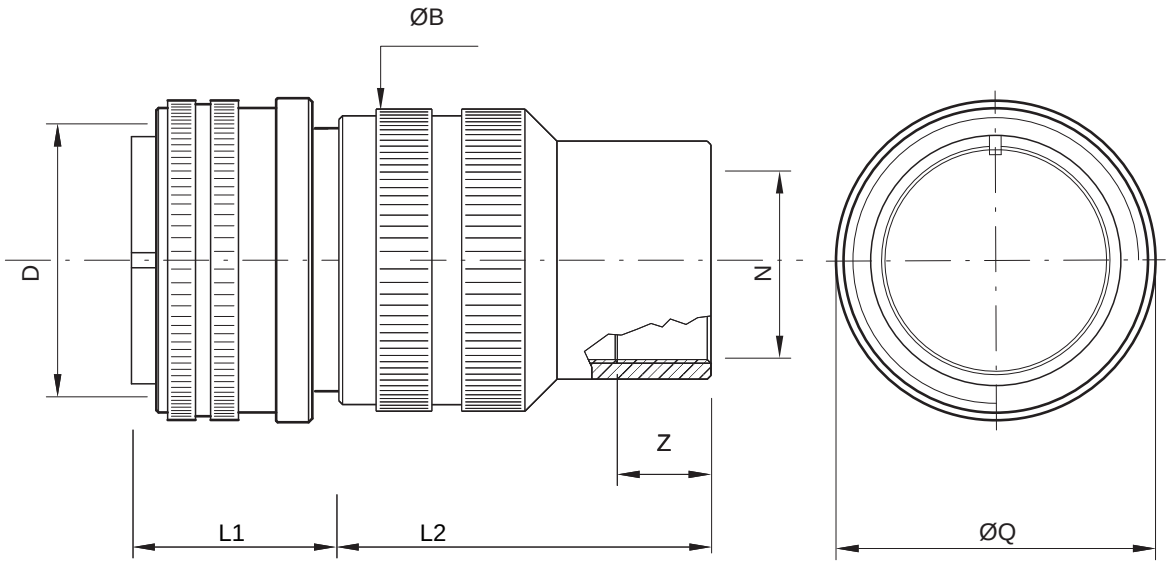
(*) RoHS compliance

(**) If required

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (DA..M - RA..M DA..PG - RA..PG)

Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Shell size	D Connectors Thread in inches	ØQ ±0.2	ØB ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG
10SL	5/8"-24 UNEF	22.8	20	8	18,8	M12 - M16	32	(PG9) - PG13.5	26
14S	7/8"-20 UNEF	28.5	24	9	19,6	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30
16S	1"-20 UNEF	31.8	27	9	19,6	(M16) - M20	40	PG13.5 - (PG16)	38
16	1"-20 UNEF	31.8	27	9	23,8	M20	45	PG16	40
18	1"1/8-18 UNEF	34	30	9	24,9	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50
20	1"1/4-18 UNEF	37.3	32	9	24,2	(M12) - M20	50	PG11 - PG13.5 - PG16	50
22	1"3/8-18 UNEF	40.5	37	10	24,2	M25 - M32	50	PG21	50
24	1"1/2-18 UNEF	43.5	40	10	25,4	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50
28	1"3/4-18 UNS	50	45	10	25,8	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60
32	2"-18 UNS	56.1	52	10	28,3	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60
36	2"1/4-16 UN	62.5	58	13	28,1	M40 - M50	56	PG29 - (PG36) - (PG42)	65
40	2"1/2-16 UN	69.1	63.8	13	28,6	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65

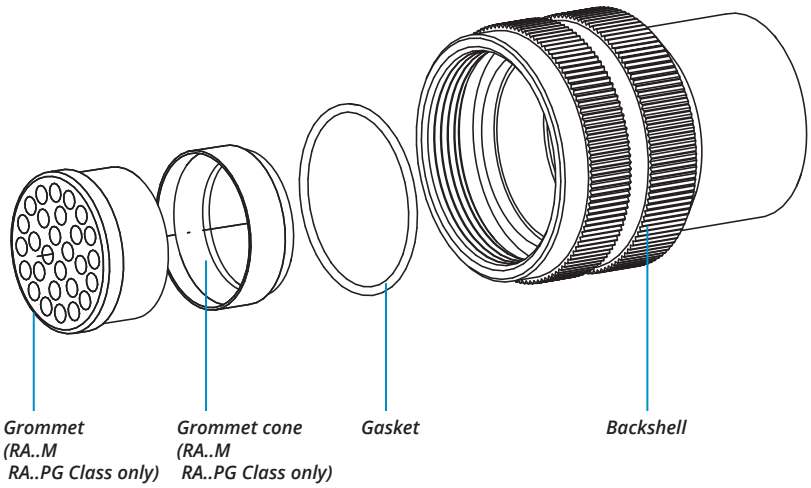
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVS - Threaded Connector

RF	CVS	303	06	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N S	Consult our sales office

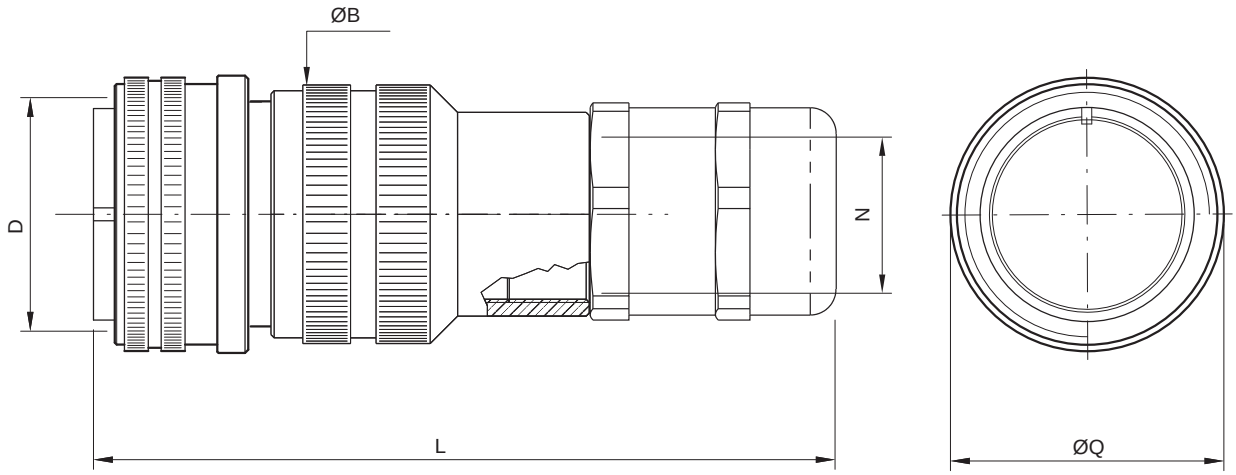
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVS 06DAT 20-27SX M12 CR CD5 F7 N

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (DA..MH - RA..MH DA..PH - RA..PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



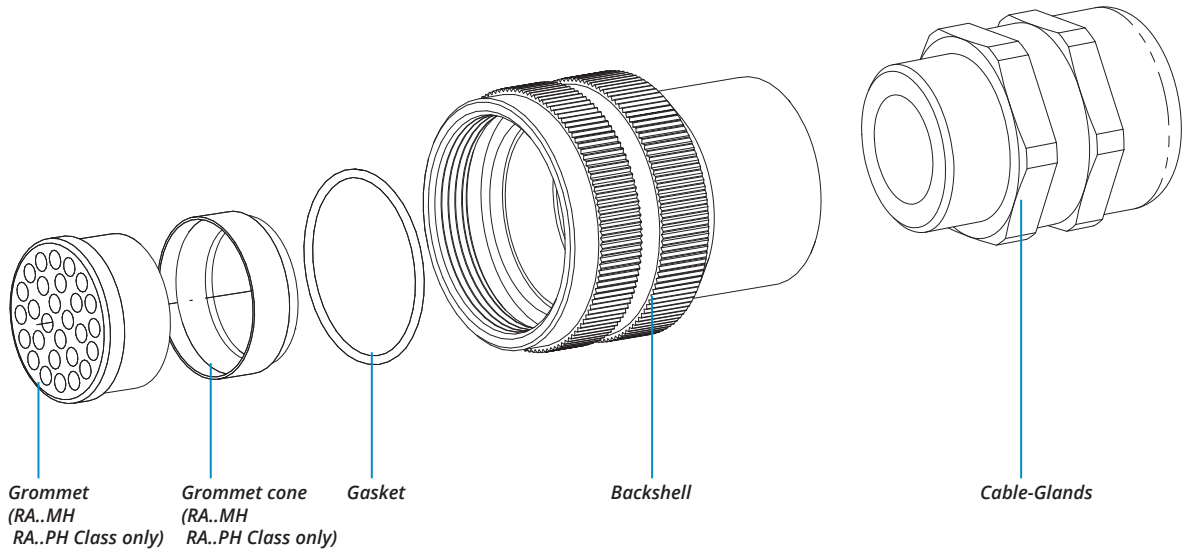
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	ØB ±0.2	Backshell Metric Thread	ØN Clamping range
10SL	5/8"-24 UNEF	22.8	88	20	M12	3.5-7
14S	7/8"-20 UNEF	28.5	94	24	M16	4.5-10
16S	1"-20 UNEF	31.8	97.5	27	M20	7-13
16	1"-20 UNEF	31.8	105.5	27	M20	7-13
18	1"1/8-18 UNEF	34	105.5	30	M20	7-13
20	1"1/4-18 UNEF	37.3	106.5	32	M25	9-17
22	1"3/8-18 UNEF	40.5	112.5	37	M32	11-21
24	1"1/2-18 UNEF	43.5	114.5	40	M32	11-21
28	1"3/4-18 UNS	50	122.5	45	M32	11-21
32	2"-18 UNS	56.1	126	52	M40	19-28
36	2"1/4-16 UN	62.5	131	58	M40	19-28
40	2"1/2-16 UN	69.1	139	63.8	M40	19-28

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	06	DA	T	20-27	S	X	MH12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

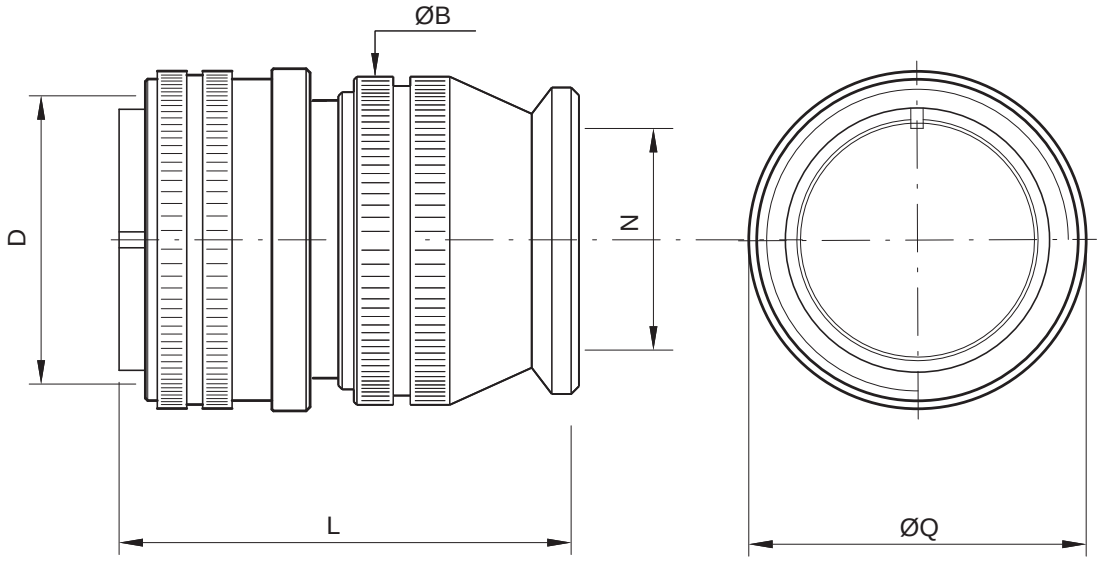
X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands***
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVS 06DAT 20-27SX MH12 CR CD5 F7 N *(*) RoHS compliance (**) If required *** Consult our sales office*

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AR - R)

This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



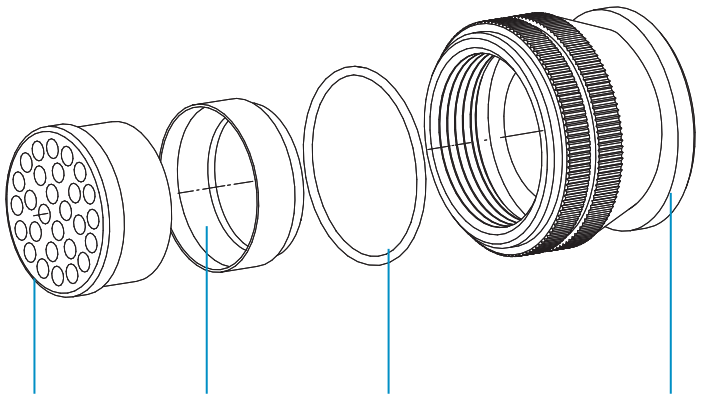
Shell size	D Connectors Thread in inches	ØQ ±0.2	ØB ±0.2	L max	N max cable dimension
10SL	5/8"-24 UNEF	22.8	20	36	10
14S	7/8"-20 UNEF	28.5	24	42	13.5
16S	1"-20 UNEF	31.8	27	42	16.1
16	1"-20 UNEF	31.8	27	48	16.5
18	1"1/8-18 UNEF	34	30	51	19
20	1"1/4-18 UNEF	37.3	32	51	22.2
22	1"3/8-18 UNEF	40.5	37	54	24.5
24	1"1/2-18 UNEF	43.5	40	54	28
28	1"3/4-18 UNS	50	45	61	32.6
32	2"-18 UNS	56.1	52	61	38
36	2"1/4-16 UN	62.5	58	61	45
40	2"1/2-16 UN	69.1	63.8	63	51.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS	303	06	R	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
06	Shell Type	06	Plug Connector
R	Connector Class	AR	non watertight
		R	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

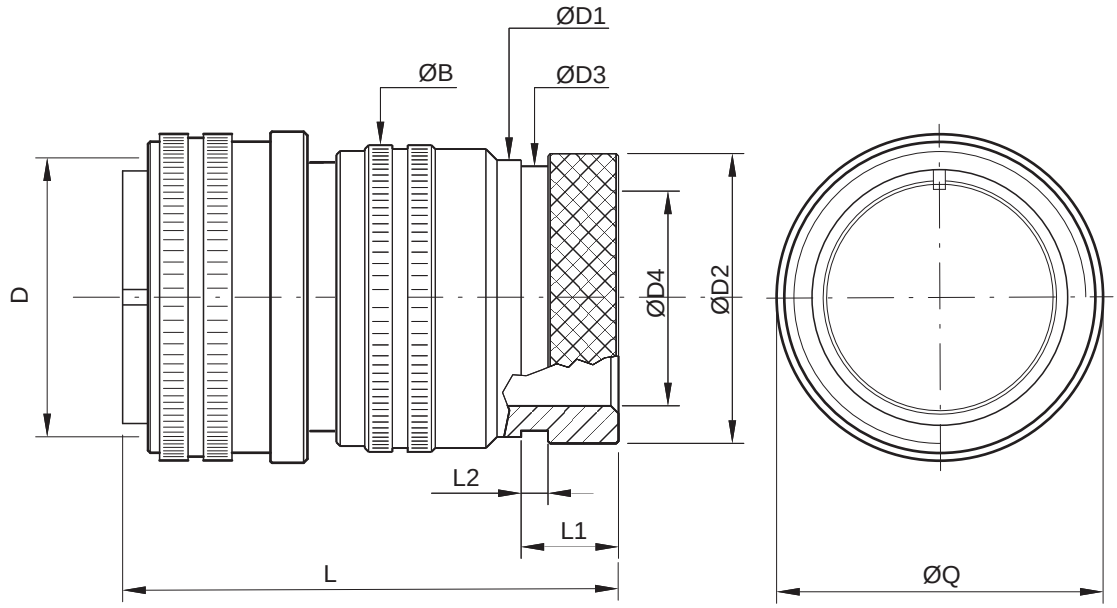
P/N Sample: RF CVS 06RT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

Plug Connector (06) with Backshell Class (AG -G)

These classes of connectors are all suitable for heat shrink tubing applications.



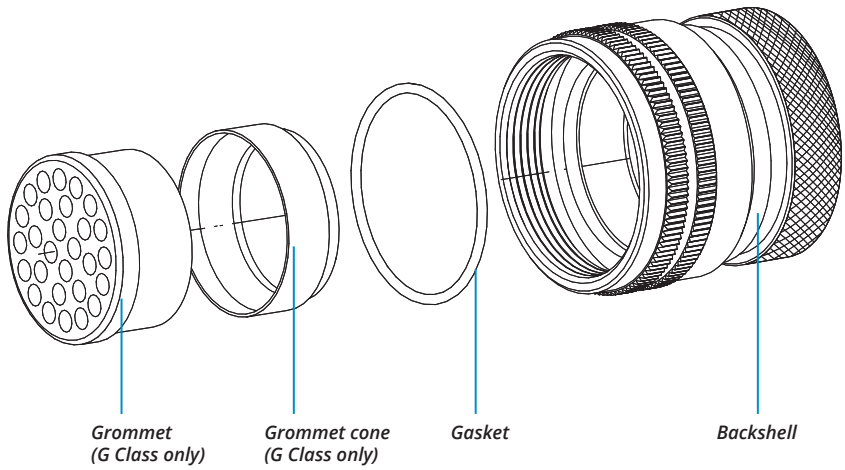
Shell size	D Connectors Thread in inches	ØQ ±0.2	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2
10SL	5/8"-24 UNEF	22.8	20	17	15.5	13.3	7.9	49	11.7	3.5
14S	7/8"-20 UNEF	28.5	24	20.1	19.1	17	13.5	49	11.7	3.5
16S	1"-20 UNEF	31.8	27	23.5	23.9	21.9	13.7	49	11.7	3.5
16	1"-20 UNEF	31.8	27	23.5	23.9	21.9	16.1	60	11.5	3.5
18	1"1/8-18 UNEF	34	30	26.5	23.9	21.9	19	64	11.5	3.5
20	1"1/4-18 UNEF	37.3	32	30.2	29.6	26.2	22.2	64	12.4	3.5
22	1"3/8-18 UNEF	40.5	37	33.6	29.6	26.2	22	64	12.7	3.5
24	1"1/2-18 UNEF	43.5	40	36.1	37.8	34.5	28	64	12.7	3.5
28	1"3/4-18 UNS	50	45	41.4	37.8	34.5	29	64	12.7	3.5
32	2"-18 UNS	56.1	52	50	47.8	43.4	35.2	70	15.2	3.5
36	2"1/4-16 UN	62.5	58	56	47.7	43.4	40	75	15.2	3.5
40	2"1/2-16 UN	69.1	63.8	62.4	57.6	52.4	48	78	15.2	3.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		06	AG	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	**Series Code**	**CVS**	Threaded Connector
	Shell Material	**-**	Aluminum
06	**Shell Type**	**06**	Plug Connector
AG	**Connector Class**	**AG**	with waterproof O-ring (IP67***)
		G	with waterproof O-ring and grommet (IP67***)
T	**Connector Modification****	**T**	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	**Modification Code****	**N**	Consult our sales office
		S	

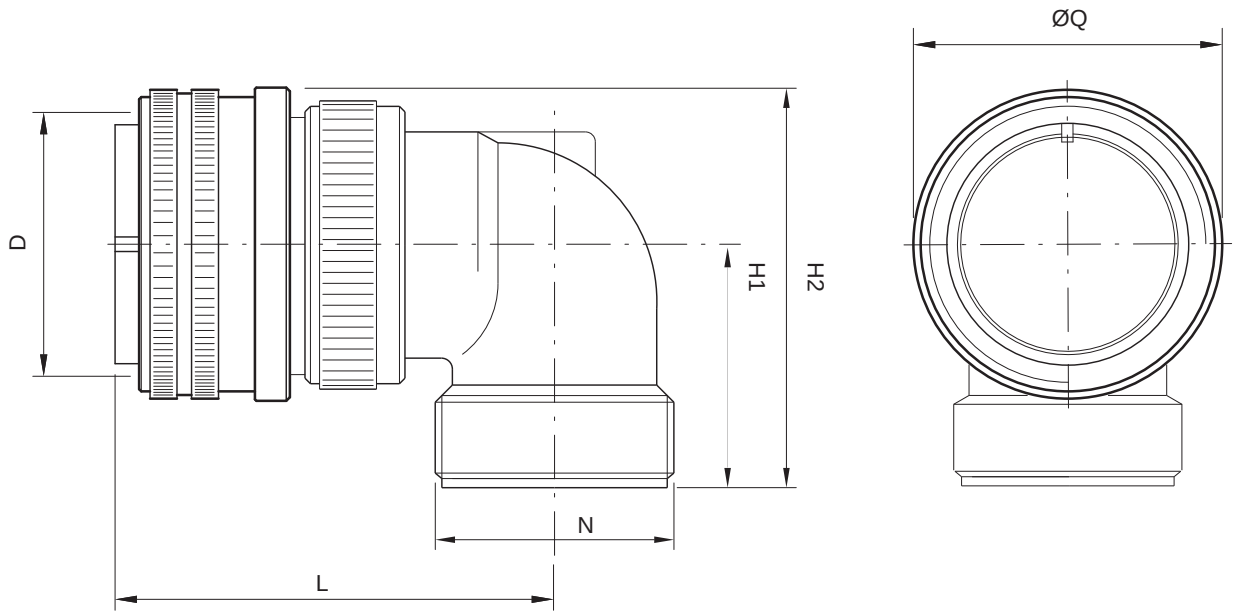
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVS 06AGT 20-27SX CR CD5 F7 N

CVS - Threaded Connector

Plug Connector (08) with 90° Elbow Class (A - DA - RA)

Connector with 90° elbow provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



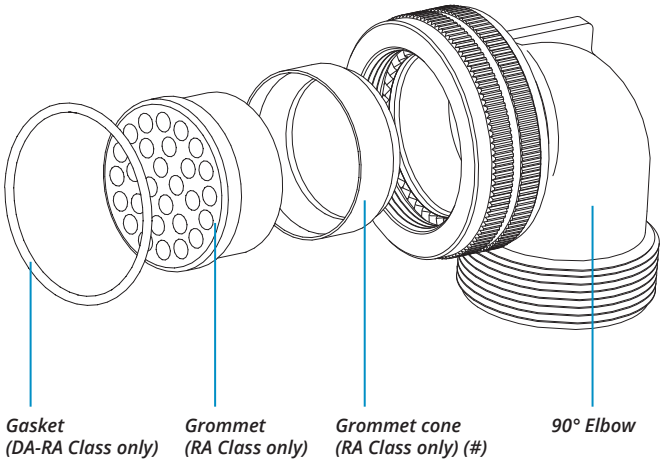
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	H1 max	H2 max	N Backshell Thread in inches
10SL	5/8"-24 UNEF	22.8	45.5	27	38.4	5/8"-24 UNEF
14S	7/8"-20 UNEF	28.5	45.5	27	41.3	3/4"-20 UNEF
16S	1"-20 UNEF	31.8	47	29	44.9	7/8"-20 UNEF
16	1"-20 UNEF	31.8	56.5	29	44.9	7/8"-20 UNEF
18	1"1/8-18 UNEF	34	57.5	31	48	1"-20 UNEF
20	1"1/4-18 UNEF	37.3	60	33	51.7	1" 3/16-18 UNEF
22	1"3/8-18 UNEF	40.5	62.5	35	55.3	1" 3/16-18 UNEF
24	1"1/2-18 UNEF	43.5	65.5	38	59.8	1" 7/16-18 UNEF
28	1"3/4-18 UNS	50	65.5	40	65	1" 7/16-18 UNEF
32	2"-18 UNS	56.1	70	46	74.1	1" 3/4-18 UNS
36	2"1/4-16 UN	62.5	73.5	49	80.3	2"-18 UNS
40	2"1/2-16 UN	69.1	78.5	53	87.6	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		08	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

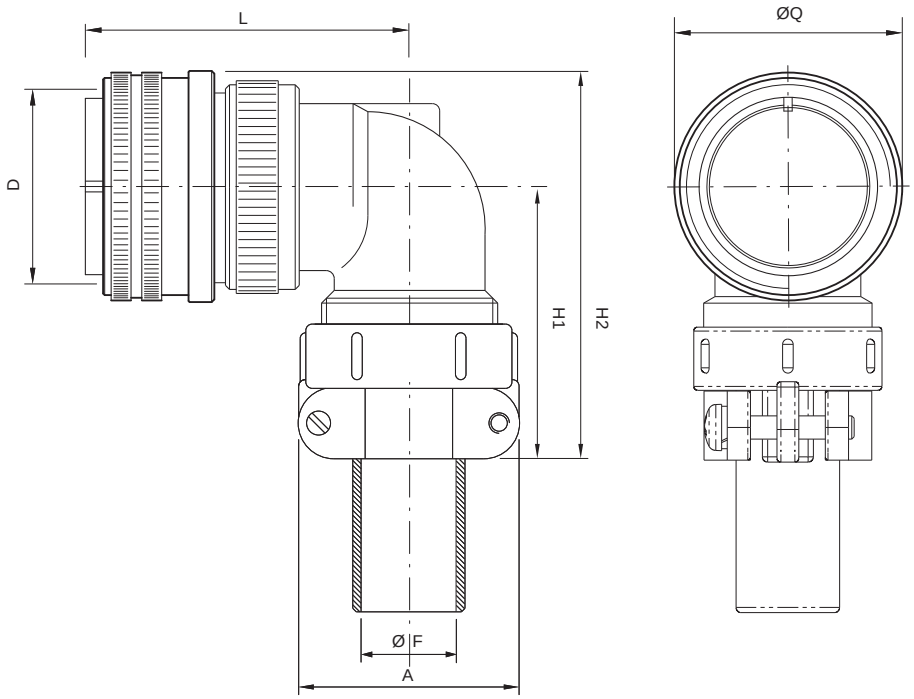
P/N Sample: RF CVS 08DAT 20-27SX CR CD5 F7 N

(#) In some sizes the grommet cone is not needed

CVS - Threaded Connector

Plug Connector (08) with 90° Elbow Class (AF - F)

Connector with 90° elbow provided with MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



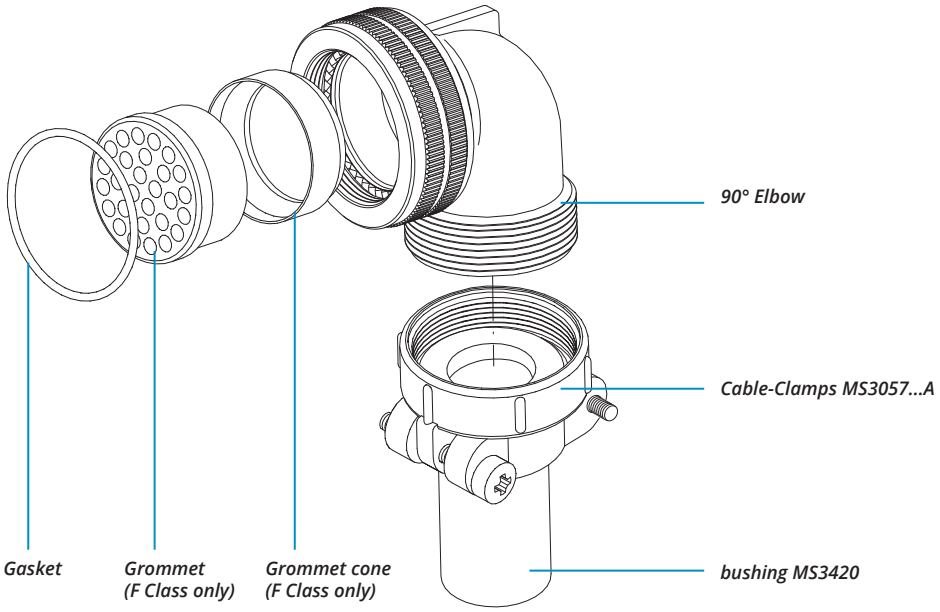
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF cable max dimension
10SL	5/8"-24 UNEF	22.8	45.5	39	50.4	22.5	5.6
14S	7/8"-20 UNEF	28.5	45.5	39	53.3	28	7.9
16S	1"-20 UNEF	31.8	47	42.5	58.4	30	11
16	1"-20 UNEF	31.8	56.5	42.5	58.4	30	11
18	1"1/8-18 UNEF	34	57.5	47	64	31.7	14.2
20	1"1/4-18 UNEF	37.3	60	47.5	66.2	37.5	15.8
22	1"3/8-18 UNEF	40.5	62.5	49.5	69.8	37.5	15.8
24	1"1/2-18 UNEF	43.5	65.5	53.5	75.3	43.5	19
28	1"3/4-18 UNS	50	65.5	55.5	80.5	43.5	19
32	2"-18 UNS	56.1	70	61.5	89.6	51.7	23.8
36	2"1/4-16 UN	62.5	73.5	64.5	95.8	58.5	31.7
40	2"1/2-16 UN	69.1	78.5	82	116.6	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		08	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
AF	Connector Class	AF	with waterproof O-ring (IP54)
		F	with waterproof O-ring and grommet (IP54) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 08AFT 20-27SX CR CD5 F7 N

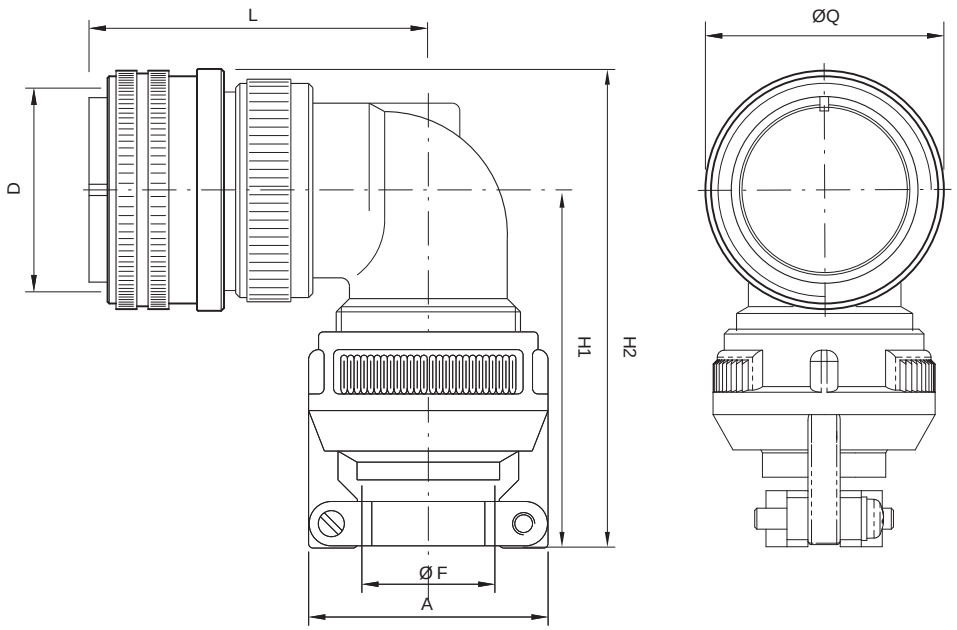
(#) In some sizes the grommet cone is not needed

(*) RoHS compliance (**) If required

CVS - Threaded Connector

Plug Connector (08) with 90° Elbow Class (AC - ACF)

Connector with 90° elbow provided with MS3057...C type Cable-Clamps (for jacketed cable)



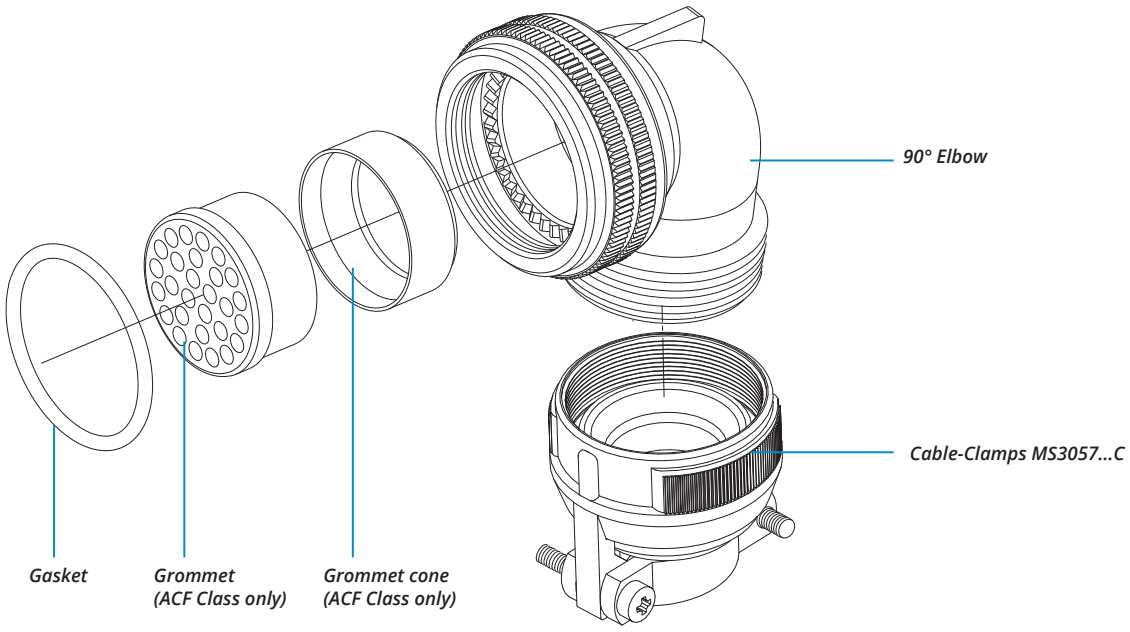
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF max cable dimension	
							Min	Max
10SL	5/8"-24 UNEF	22.8	45.5	51	62.4	23	2.4	7.9
14S	7/8"-20 UNEF	28.5	45.5	51	65.3	26	5.8	11.2
16S	1"-20 UNEF	31.8	47	54	69.9	28.5	8	13.5
16	1"-20 UNEF	31.8	56.5	54	69.9	28.5	8	13.5
18	1"1/8-18 UNEF	34	57.5	58.5	75.5	32	9.6	15.9
20	1"1/4-18 UNEF	37.3	60	59.5	78.2	37.5	11.3	19
22	1"3/8-18 UNEF	40.5	62.5	61.5	81.8	37.5	11.3	19
24	1"1/2-18 UNEF	43.5	65.5	71.5	93.3	43.5	15.5	23.8
28	1"3/4-18 UNS	50	65.5	73.5	98.5	43.5	15.5	23.8
32	2"-18 UNS	56.1	70	84	112.1	54	23.4	31.8
36	2"1/4-16 UN	62.5	73.5	91.5	122.8	58	25.4	35
40	2"1/2-16 UN	69.1	78.5	98	132.6	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		08	ACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVS 08ACFT 20-27SX CR CD5 F7 N

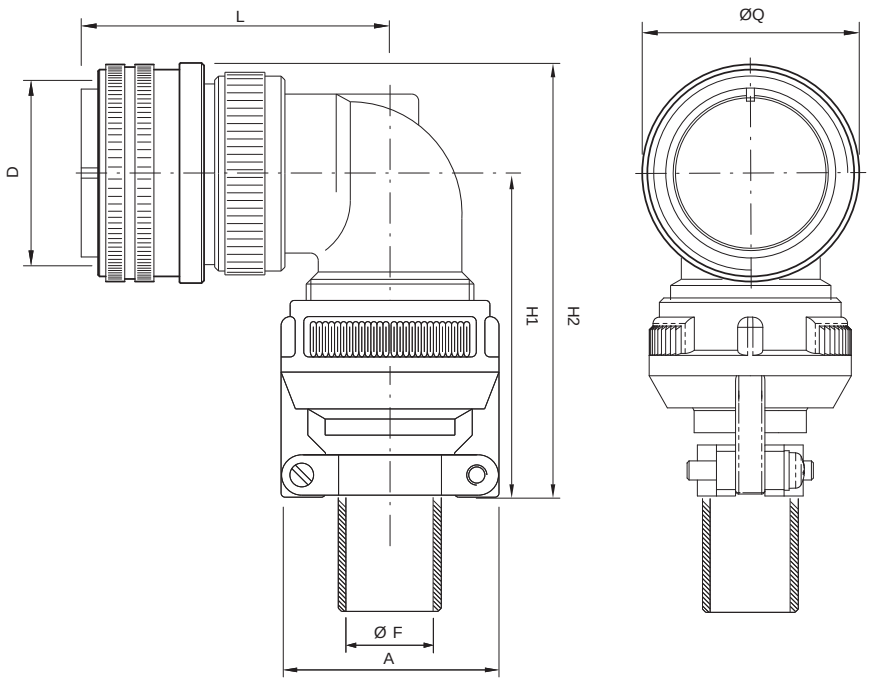
(#) In some sizes the grommet cone is not needed

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

Plug Connector (08) with 90° Elbow Class (ACB)

Connector with 90° elbow provided with MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



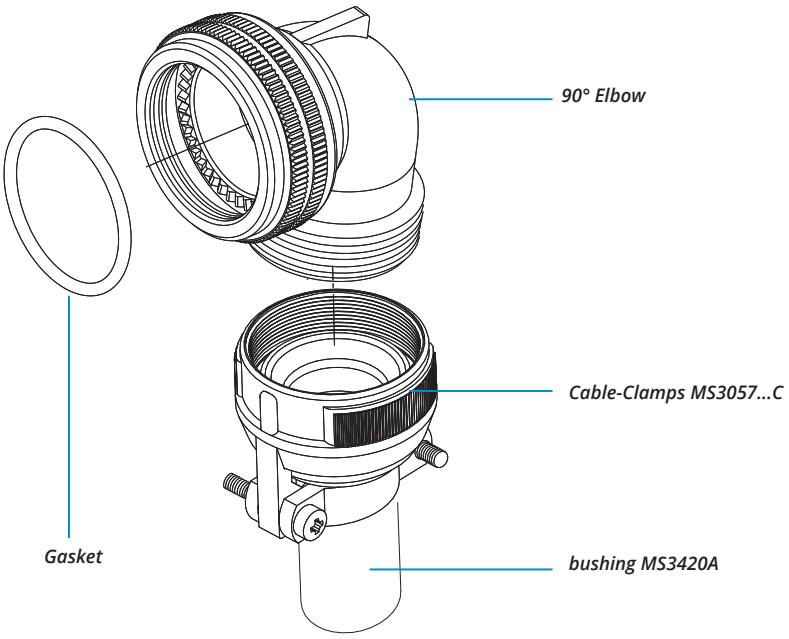
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF max cable dimension
10SL	5/8"-24 UNEF	22.8	45.5	51	62.4	23	5.6
14S	7/8"-20 UNEF	28.5	45.5	51	65.3	26	7.9
16S	1"-20 UNEF	31.8	47	54	69.9	28.5	11.1
16	1"-20 UNEF	31.8	56.5	54	69.9	28.5	11.1
18	1"1/8-18 UNEF	34	57.5	58.5	75.5	32	11.1
20	1"1/4-18 UNEF	37.3	60	59.5	78.2	37.5	13.7
22	1"3/8-18 UNEF	40.5	62.5	61.5	81.8	37.5	13.7
24	1"1/2-18 UNEF	43.5	65.5	71.5	93.3	43.5	19
28	1"3/4-18 UNS	50	65.5	73.5	98.5	43.5	19
32	2"-18 UNS	56.1	70	84	112.1	54	23.8
36	2"1/4-16 UN	62.5	73.5	91.5	122.8	58	28.5
40	2"1/2-16 UN	69.1	78.5	98	132.6	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		08	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

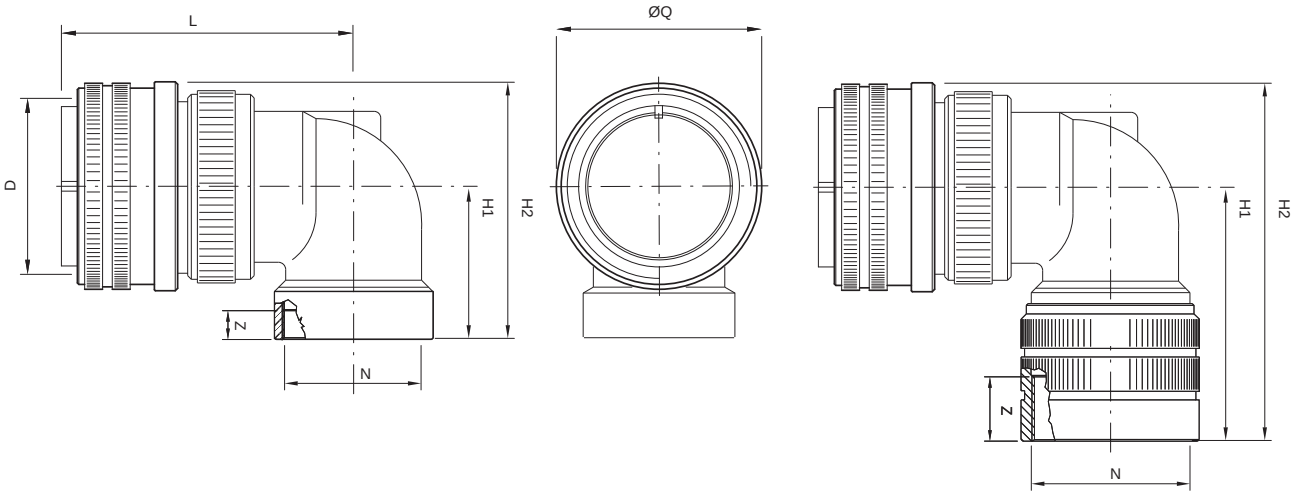
P/N Sample: RF CVS 08ACBT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVS - Threaded Connector

Plug Connector (08) with 90° Elbow Class (DA...M - RA...M - DA...PG - RA...PG)

Connector with 90° elbow provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



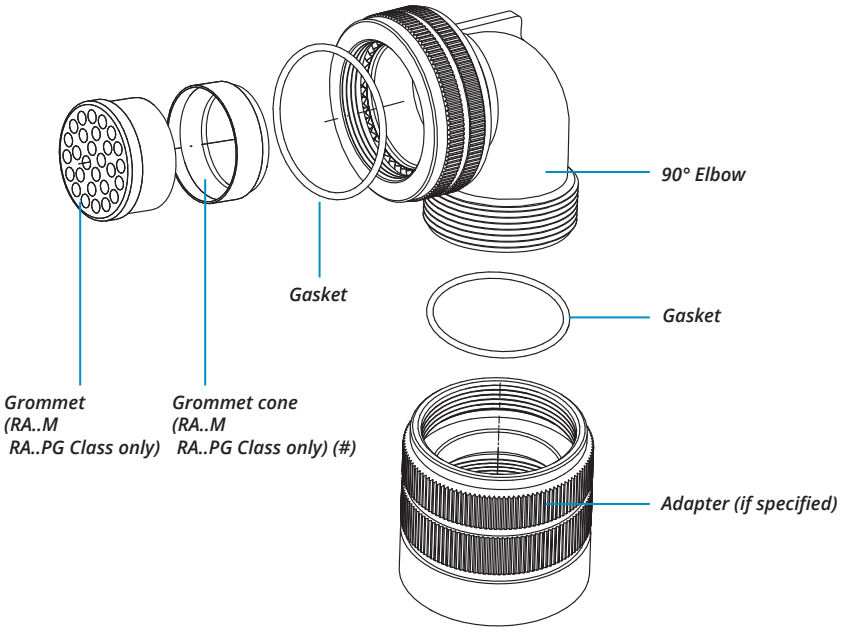
				Without adapter					With adapter				
Shell size	D Connectors Thread in inches	ØQ ±0.2	L max	Z min	H1 max	H2 max	N Backshell Thread Metric	N Backshell Thread PG	Z min	H1 max	H2 max	N Thread Metric	N Thread PG
10SL	5/8"-24 UNEF	22.8	45.5	7	26	40.3	M16	PG9	12	56	68	M12-M20	PG7-PG11-PG16
14S	7/8"-20 UNEF	28.5	45.5	7	26	40.3	M16	PG9	12	56	70.3	M12-M20	PG7-PG11-PG16
16S	1"-20 UNEF	31.8	47	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
16	1"-20 UNEF	31.8	56.5	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
18	1"1/8-18 UNEF	34	57.5	7	31	48	M20	PG16	12	60	75.2	M25	PG13.5-PG21
20	1"1/4-18 UNEF	37.3	60	7	33	51.7	M25	-	12	62	80.7	M16-M20-M32	PG13.5-PG16-PG21-PG29
22	1"3/8-18 UNEF	40.5	62.5	7	35	55.3	M25	PG21	12	65	85.3	M16-M20-M32	PG13.5-PG16-PG29
24	1"1/2-18 UNEF	43.5	65.5	7	38	59.8	M32	PG21	15	69	90.8	M20-M25-M40	PG13.5-PG16-PG29
28	1"3/4-18 UNS	50	65.5	7	40	65	M32	PG21	15	72	97	M20-M25-M40	PG29-PG36
32	2"-18 UNS	56.1	70	-	-	-	-	-	15	78	106.1	M25-M32-M40	PG21-PG29-PG36
36	2"1/4-16 UN	62.5	73.5	-	-	-	-	-	15	81	112.3	M32-M40	PG21-PG29-PG36
40	2"1/2-16 UN	69.1	78.5	-	-	-	-	-	15	85	119.6	M32-M40-M50	PG29-PG36-PG42

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVS - Threaded Connector

RF	CVS		08	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code		Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVS	Series Code	CVS	Threaded Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVS 08DAT 20-27SX M12 CR CD5 F7 N

(#) In some sizes the grommet cone is not needed

CVB - Bayonet Connector - Shell - Backshell

RF	CVB	303	00	DA	T	20-27	S	X	PG16	CR	CD5	F7	G	N

Available in several versions suitable for all applications and manufactured in different materials and finishes:

- Aluminum alloy with different types of protection finishes according to RoHS directives.
- Stainless steel, bronze and other materials to be chosen according to the application

CVB	**Series Code**	**CVB**	Bayonet Connector
303	**Shell Material**	**-**	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	**Shell Type**	**xx**	Flange/Plug Shell with ramp/threaded or with nut
DA	**Connector Class**	**xx**	With backshell
T	**Connector Modification****	**T**	With plastic caps
		FF	Receptacle connector with threaded holes (to specify for 00/02/05 shell only)
		FP	Receptacle connector with through holes (to specify for 03 shell only)
		FS	Receptacle connector with countersunk holes
		V	Insert and contacts sealed (solder only)
PG16	**Backshell Conduits size or internal thread**	**-**	Without internal thread
		xx	Conduits size or internal thread
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (***RoHS compliance)***
		F7	Black epoxy varnish (***RoHS compliance)***
		F16	CCF - Black passivation - conductive (***RoHS compliance)***
		F26	Hard anodization (***RoHS compliance)***
		F30	colorless passivation for stainless steel (***RoHS compliance)***
G	**Panel Gasket**	**-**	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	**N**	Contacts and hole plugs (Consult our sales office)
		S	Customization (Consult our sales office)

CVB - Shell - Backshell - Index

CLASS / SHELL TYPE			00	020	02/02A/02R	030	03/03A/03R	01
A	DA	RA	●	*	-	●	-	●
LA	LDA	LRA	●	*	-	●	-	●
	AF	F	●	*	-	●	-	●
	LAF	LF	●	*	-	●	-	●
	AC	ACF	●	*	-	●	-	●
	ACB		●	*	-	●	-	●
	LAC	LACF	●	*	-	●	-	●
	AB		●	*	-	●	-	●
AS			●	*	-	●	-	●
	DA..PG	RA..PG	●	*	-	●	-	●
	DA..M	RA..M	●	*	-	●	-	●
	DA..PH	RA..PH	●	*	-	●	-	●
	DA..MH	RA..MH	●	*	-	●	-	●
AR		R	●	*	-	●	-	●
	AG	G	●	*	-	●	-	●
	P		●	*	-	●	-	●

● *Available*

● *On request*

** Without accessories (to be purchased separately)*

Class A DA RA

Class AF F

Class AC ACF

Class ACB

Class AB

Class AS

CVB - Shell - Backshell - Index

07/ 07R	070	06	96	08	98	TB	05
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-
-	*	●	●	●	●	-	-

Class DA..PG/RA..PG/DA..M/RA..M

DA..PH/RA..PH
DA..MH/RA..MH

Class AR R

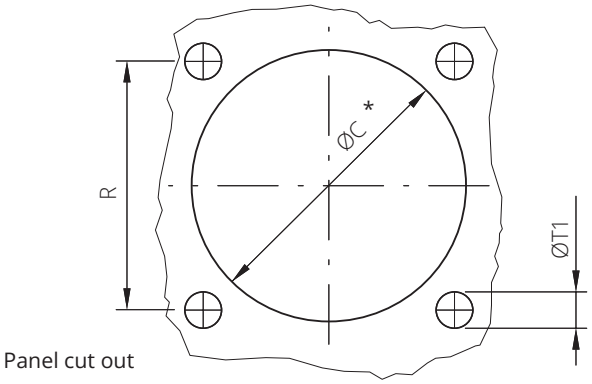
Class AG G

Class P

CVB - Bayonet Connector

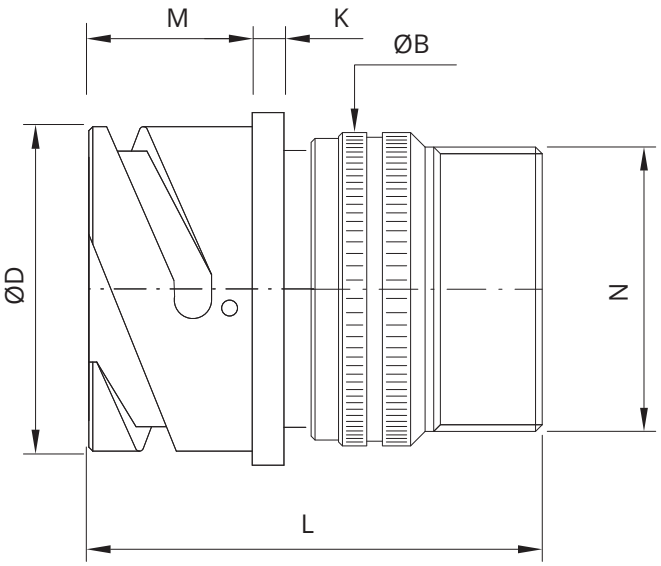
Front Mounting Receptacle (00) with Backshell Class (A - DA - RA)

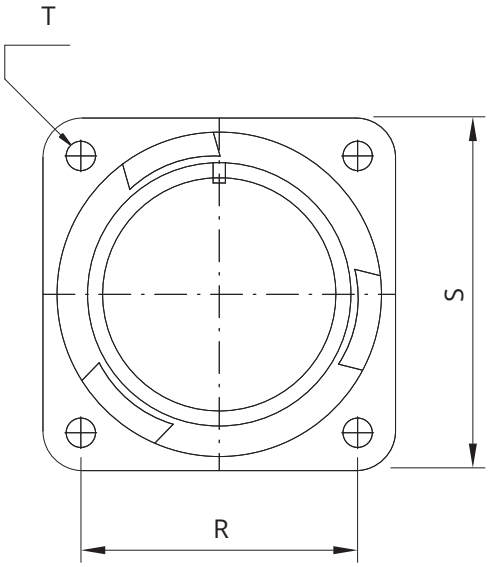
Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



Panel cut out

** For installation with backshell mounted, consult our sales office.*





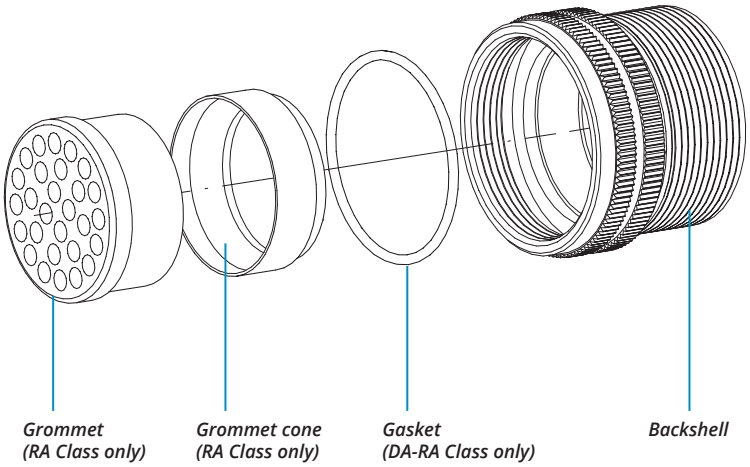
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	N Backshell Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	41	14.2	2.8	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	24.6	24	42.5	14.5	3.2	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	27.4	27	42.5	14.2	3.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	27.4	27	50	19	3.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	30.8	30	52	19	4	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	34.2	32	51	19	4	1" 3/16-18 UNEF	29.4	38.1	3.1	3.4	30
22	37.4	37	54	19.7	4	1" 3/16-18 UNEF	31.8	41	3.1	3.4	33
24	40.9	40	54	20.6	4	1" 7/16-18 UNEF	34.9	44.5	3.7	3.9	36
28	46.7	45	62	20.6	4	1" 7/16-18 UNEF	39.7	50.8	3.7	3.9	42
32	53.4	52	63	22.2	4	1" 3/4-18 UNS	44.5	57	4.4	4.5	48.5
36	59.6	58	63	22.2	4	2"-18 UNS	49.2	63.5	4.4	4.5	55
40	65.5	63.2	63	22.2	4	2"1/4-16 UN	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	00	DA	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

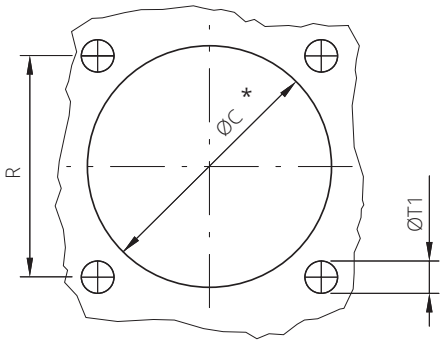
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVB 00DAT 20-27SX CR CD5 F7 G N

CVB - Bayonet Connector

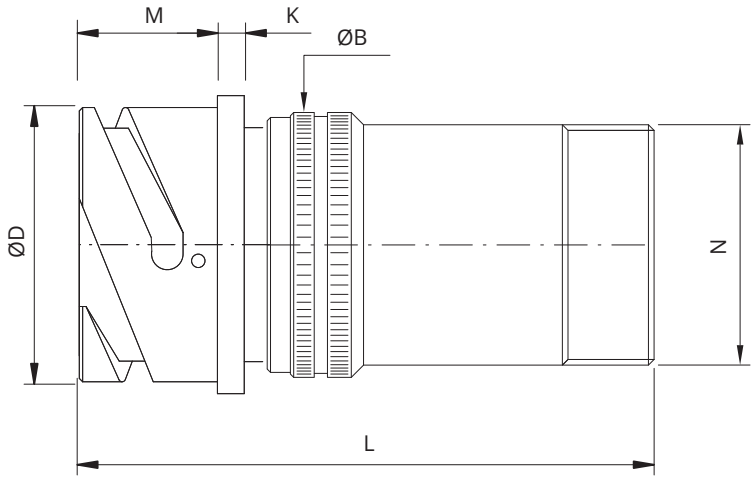
Front Mounting Receptacle (00) with Backshell Class (LA - LDA - LRA)

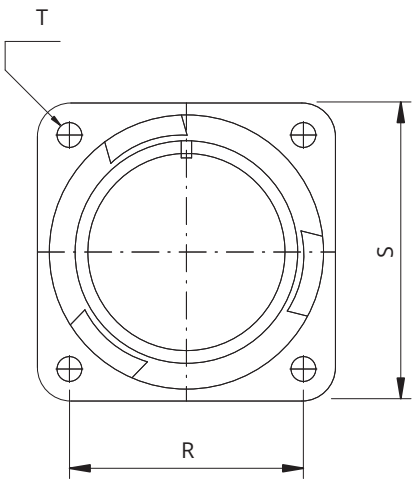
Connector with long backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



Panel cut out

** For installation with backshell mounted, consult our sales office.*





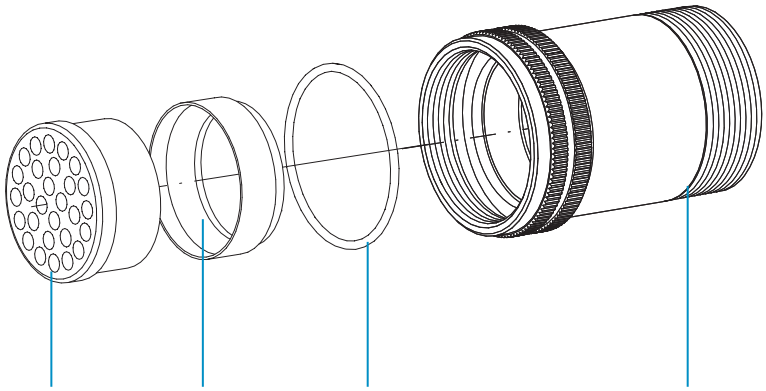
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	N Backshell Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	67	14.2	2.8	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	24.6	24	67	14.5	3.2	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	27.4	27	67	14.2	3.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	27.4	27	77	19	3.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	30.8	30	77.5	19	4	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	34.2	32	78	19	4	1" 3/16-18 UNEF	29.4	38.1	3.1	3.4	30
22	37.4	37	79	19.7	4	1" 3/16-18 UNEF	31.8	41	3.1	3.4	33
24	40.9	40	81	20.6	4	1" 7/16-18 UNEF	34.9	44.5	3.7	3.9	36
28	46.7	45	81	20.6	4	1" 7/16-18 UNEF	39.7	50.8	3.7	3.9	42
32	53.4	52	95.5	22.2	4	1" 3/4-18 UNS	44.5	57	4.4	4.5	48.5
36	59.6	58	95.5	22.2	4	2"-18 UNS	49.2	63.5	4.4	4.5	55
40	65.5	63.2	95.5	22.2	4	2"1/4-16 UN	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	00	LDA	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

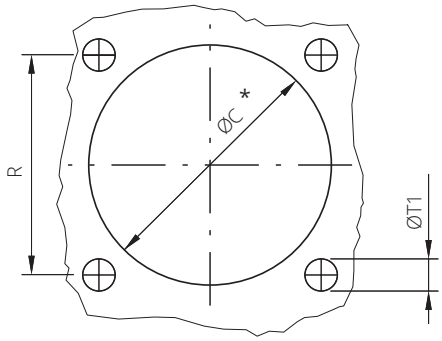
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVB 00LDAT 20-27SX CR CD5 F7 G N

CVB - Bayonet Connector

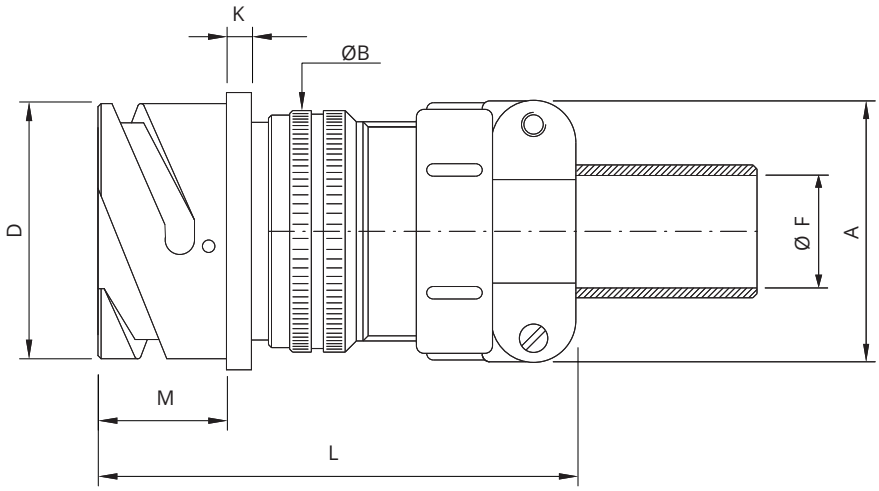
Front Mounting Receptacle (00) with Backshell Class (AF - F)

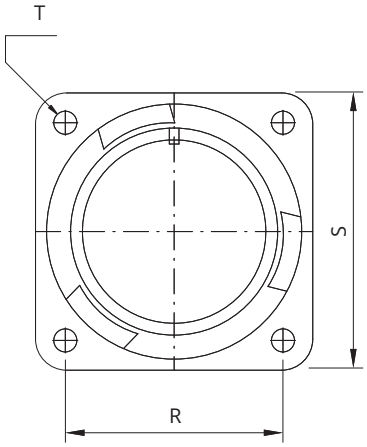
Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



Panel cut out

** For installation with backshell mounted, consult our sales office.*





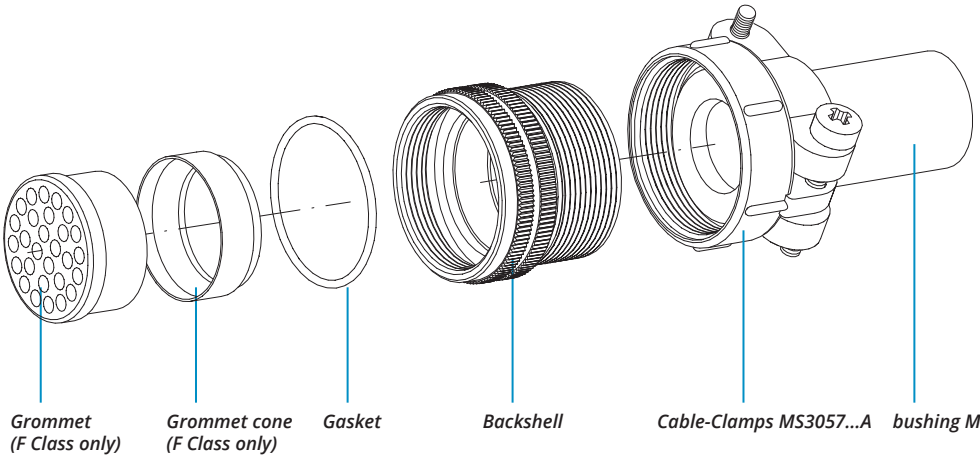
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	51	14.2	2.8	22.5	5.6	18.2	25.4	3.1	3.4	17
14S	24.6	24	54.5	14.5	3.2	28	7.9	23	30.2	3.1	3.4	20
16S	27.4	27	56	14.2	3.2	30	11	24.6	32.5	3.1	3.4	23
16	27.4	27	63.5	19	3.2	30	11	24.6	32.5	3.1	3.4	23
18	30.8	30	66.5	19	4	31.7	14.2	27	34.9	3.1	3.4	26.5
20	34.2	32	66.5	19	4	37.5	15.8	29.4	38.1	3.1	3.4	30
22	37.4	37	69.5	19.7	4	37.5	15.8	31.8	41	3.1	3.4	33
24	40.9	40	69.5	20.6	4	43.5	19	34.9	44.5	3.7	3.9	36
28	46.7	45	77.5	20.6	4	43.5	19	39.7	50.8	3.7	3.9	42
32	53.4	52	78.5	22.2	4	51.7	23.8	44.5	57	4.4	4.5	48.5
36	59.6	58	78.5	22.2	4	58.5	31.7	49.2	63.5	4.4	4.5	55
40	65.5	63.2	92	22.2	4	68.5	34.9	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	AF	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AF	Connector Class	F	with waterproof O-ring and grommet (IP54)
		AF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

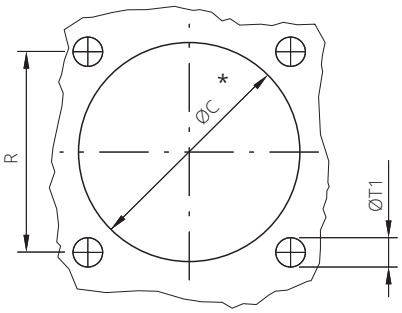
P/N Sample: RF CVB 00AFT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

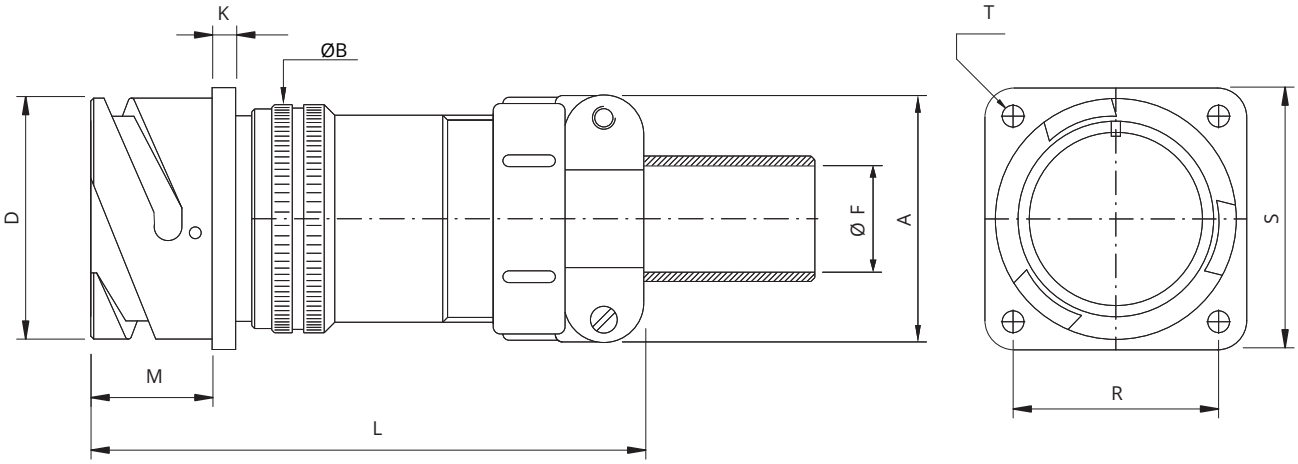
Front Mounting Receptacle (00) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



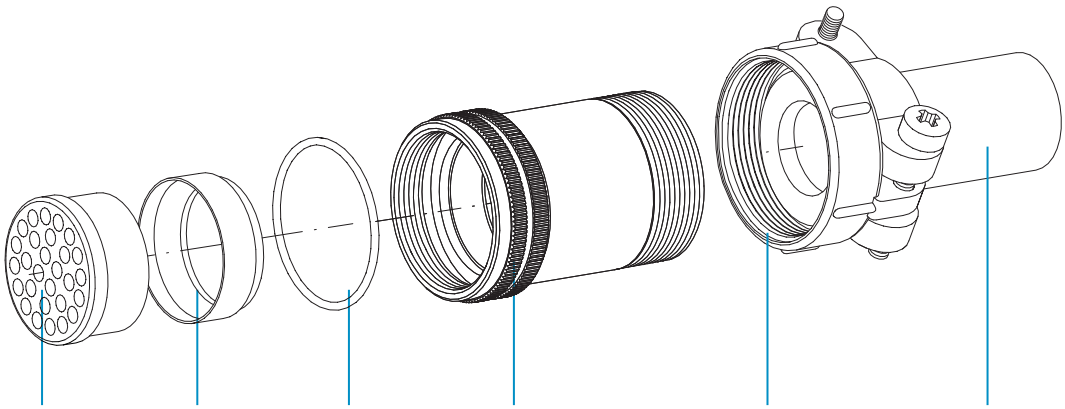
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	77	14.2	2.8	22.5	5.6	18.2	25.4	3.1	3.4	17
14S	24.6	24	79	14.5	3.2	28	7.9	23	30.2	3.1	3.4	20
16S	27.4	27	80.5	14.2	3.2	30	11	24.6	32.5	3.1	3.4	23
16	27.4	27	90.5	19	3.2	30	11	24.6	32.5	3.1	3.4	23
18	30.8	30	93	19	4	31.7	14.2	27	34.9	3.1	3.4	26.5
20	34.2	32	93.5	19	4	37.5	15.8	29.4	38.1	3.1	3.4	30
22	37.4	37	94.5	19.7	4	37.5	15.8	31.8	41	3.1	3.4	33
24	40.9	40	96.5	20.6	4	43.5	19	34.9	44.5	3.7	3.9	36
28	46.7	45	96.5	20.6	4	43.5	19	39.7	50.8	3.7	3.9	42
32	53.4	52	111	22.2	4	51.7	23.8	44.5	57	4.4	4.5	48.5
36	59.6	58	111	22.2	4	58.5	31.7	49.2	63.5	4.4	4.5	55
40	65.5	63.2	124.5	22.2	4	68.5	34.9	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	LAF	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
LAF	Connector Class	LF	with waterproof O-ring and grommet (IP54)
		LAF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

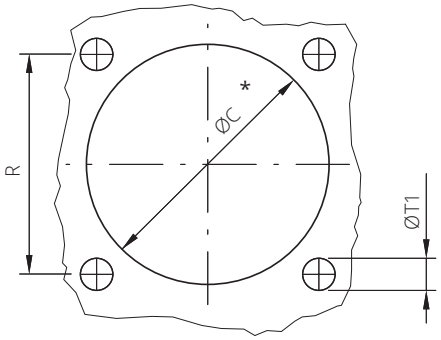
P/N Sample: RF CVB 00LAFT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

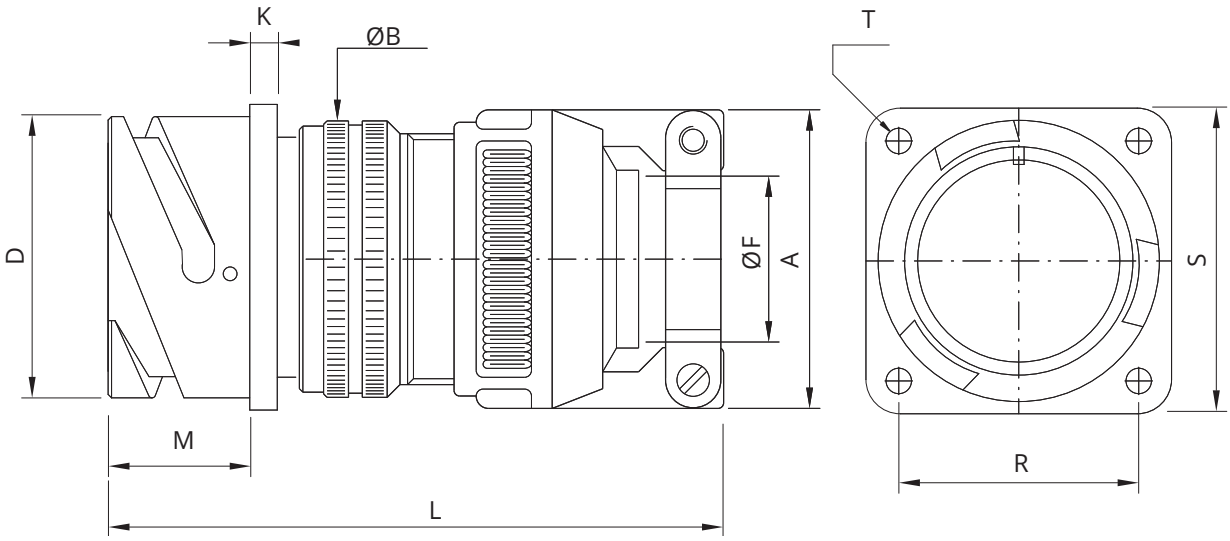
Front Mounting Receptacle (00) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



Panel cut out

** For installation with backshell mounted, consult our sales office.*



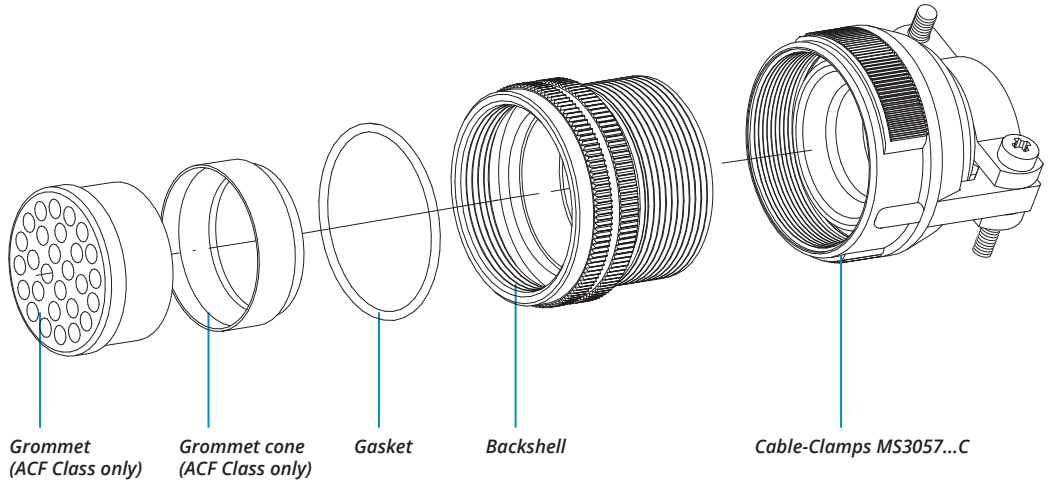
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
							Min	Max					
10SL	18.2	20	65	2.8	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	24.6	24	66.5	3.2	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	27.4	27	67.5	3.2	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	27.4	27	75	3.2	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	30.8	30	78.5	4	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	34.2	32	77.5	4	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	37.4	37	80.5	4	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	40.9	40	87.5	4	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	46.7	45	95.5	4	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	53.4	52	101	4	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	59.6	58	105.5	4	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	65.5	63.2	107	4	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	AC	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AC	Connector Class	ACF	with waterproof O-ring and grommet (IP67)
		AC	with waterproof O-ring (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

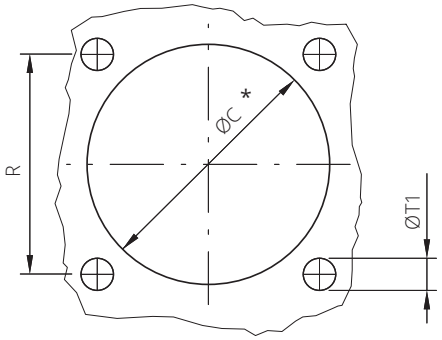
P/N Sample: RF CVB 00ACT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

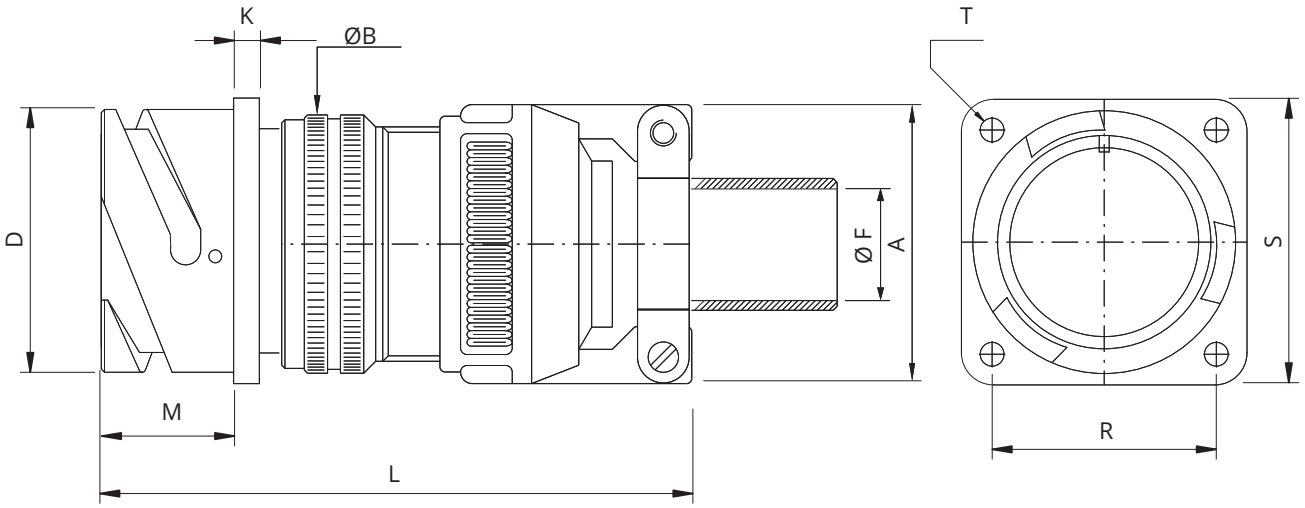
Front Mounting Receptacle (00) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



Panel cut out

** For installation with backshell mounted, consult our sales office.*



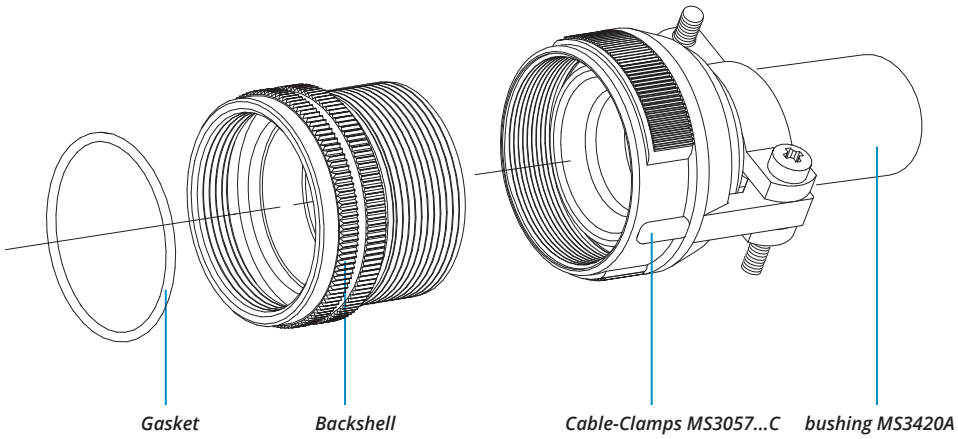
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	A ±0.2	ØF max cable size	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	65	2.8	14.2	23	5.6	18.2	25.4	3.1	3.4	17
14S	24.6	24	66.5	3.2	14.5	26	7.9	23	30.2	3.1	3.4	20
16S	27.4	27	67.5	3.2	14.2	28.5	11.1	24.6	32.5	3.1	3.4	23
16	27.4	27	75	3.2	19	28.5	11.1	24.6	32.5	3.1	3.4	23
18	30.8	30	78.5	4	19	32	11.1	27	34.9	3.1	3.4	26.5
20	34.2	32	77.5	4	19	37.5	13.7	29.4	38.1	3.1	3.4	30
22	37.4	37	80.5	4	19.7	37.5	13.7	31.8	41	3.1	3.4	33
24	40.9	40	87.5	4	20.6	43.5	19	34.9	44.5	3.7	3.9	36
28	46.7	45	95.5	4	20.6	43.5	19	39.7	50.8	3.7	3.9	42
32	53.4	52	101	4	22.2	54	23.8	44.5	57	4.4	4.5	48.5
36	59.6	58	105.5	4	22.2	58	28.5	49.2	63.5	4.4	4.5	55
40	65.5	63.2	107	4	22.2	63.5	31.8	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	ACB	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 00ACBT 20-27SX CR CD5 F7 G N

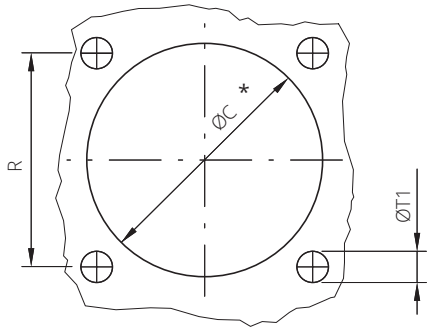
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

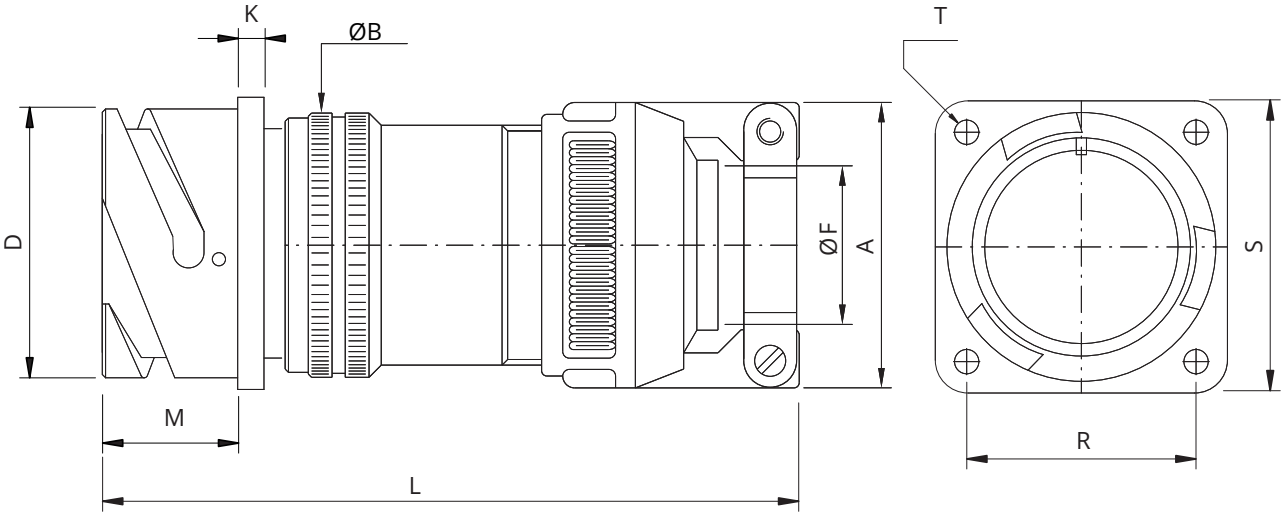
Front Mounting Receptacle (00) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



Panel cut out

**** For installation with backshell mounted, consult our sales office.***



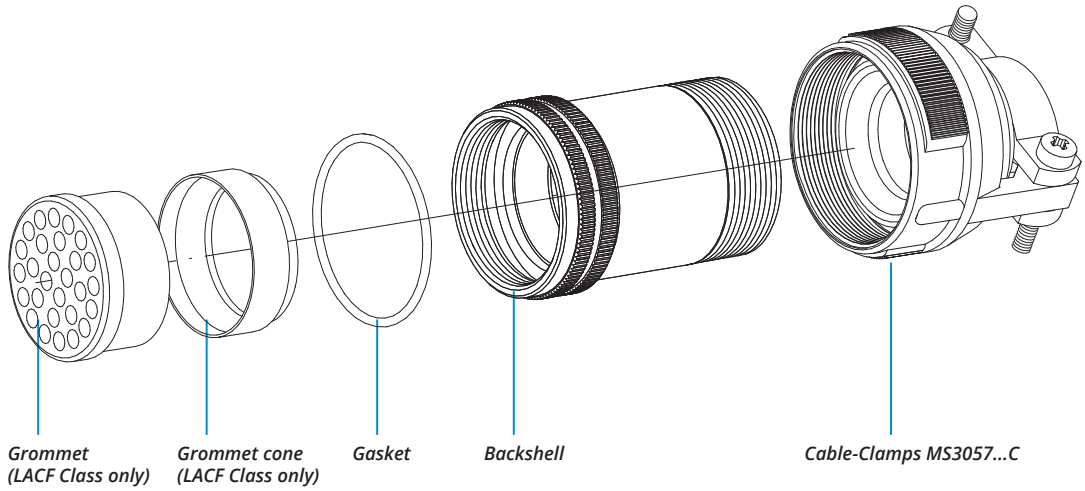
Shell size	ØD +0 -0.15	ØB ±0.2	K ±0.2	L	M ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
							Min	Max					
10SL	18.2	20	2.8	91	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	24.6	24	3.2	91	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	27.4	27	3.2	92	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	27.4	27	3.2	102	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	30.8	30	4	105	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	34.2	32	4	105	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	37.4	37	4	106	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	40.9	40	4	114.5	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	46.7	45	4	114.5	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	53.4	52	4	133.5	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	59.6	58	4	138	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	65.5	63.2	4	139.5	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	LAC	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
LAC	Connector Class	LACF	with waterproof O-ring and grommet (IP67)
		LAC	with waterproof O-ring (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N S	Consult our sales office

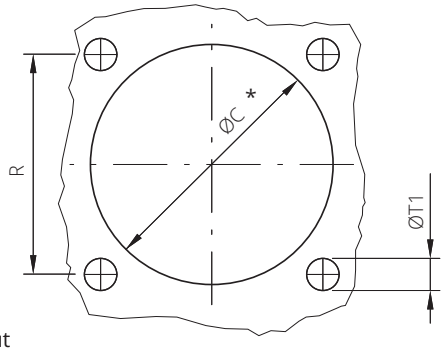
P/N Sample: RF CVB 00LACT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

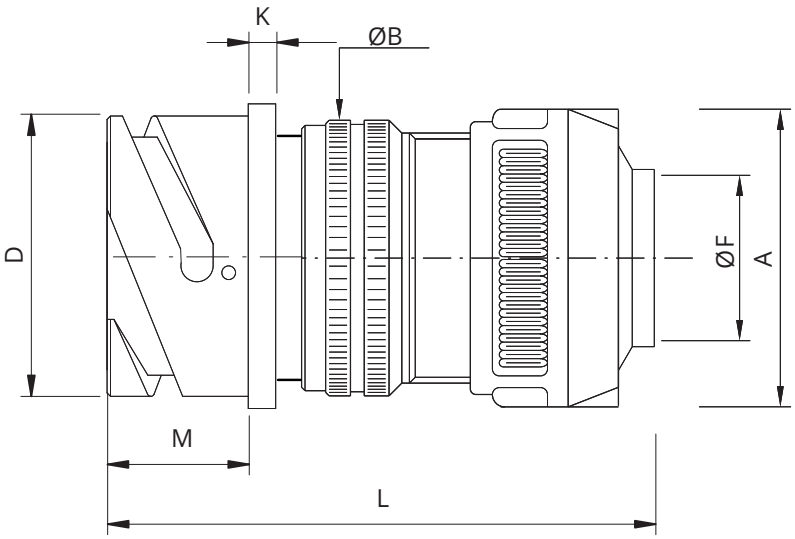
Front Mounting Receptacle (00) with Backshell Class (AB)

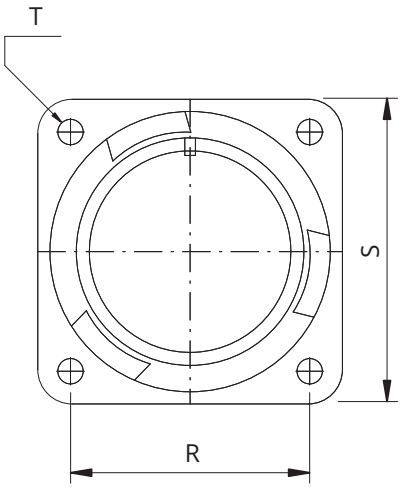
Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



Panel cut out

** For installation with backshell mounted, consult our sales office.*





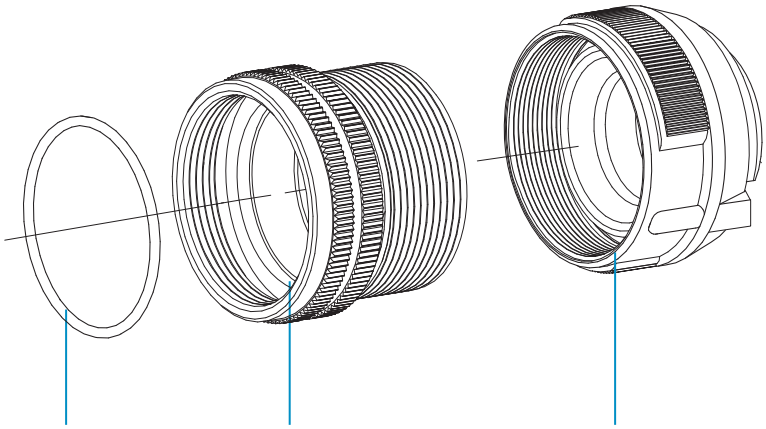
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
							Min	Max					
10SL	18.2	20	48.4	2.8	14.2	23	2.4	7.9	18.2	25.4	3.1	3.4	17
14S	24.6	24	56.1	3.2	14.5	26	5.8	11.2	23	30.2	3.1	3.4	20
16S	27.4	27	57.3	3.2	14.2	28.5	8	13.5	24.6	32.5	3.1	3.4	23
16	27.4	27	63.3	3.2	19	28.5	8	13.5	24.6	32.5	3.1	3.4	23
18	30.8	30	68	4	19	32	9.6	15.9	27	34.9	3.1	3.4	26.5
20	34.2	32	69.2	4	19	37.5	11.3	19	29.4	38.1	3.1	3.4	30
22	37.4	37	71.2	4	19.7	37.5	11.3	19	31.8	41	3.1	3.4	33
24	40.9	40	76.3	4	20.6	43.5	15.5	23.8	34.9	44.5	3.7	3.9	36
28	46.7	45	83.3	4	20.6	43.5	15.5	23.8	39.7	50.8	3.7	3.9	42
32	53.4	52	85.1	4	22.2	54	23.4	31.8	44.5	57	4.4	4.5	48.5
36	59.6	58	88.2	4	22.2	58	25.4	35	49.2	63.5	4.4	4.5	55
40	65.5	63.2	91.5	4	22.2	63.5	30	41.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	AB	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	**Shell Type**	00	Front mounting Receptacle
AB	**Connector Class**	AB	with waterproof O-ring
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

P/N Sample: RF CVB 00ABT 20-27SX CR CD5 F7 G N

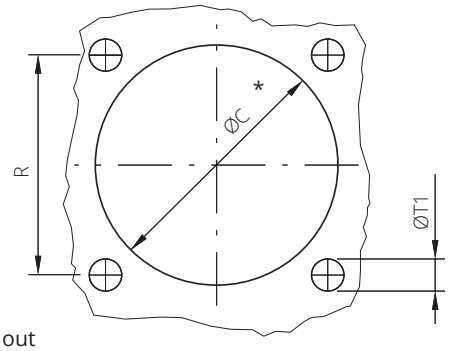
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

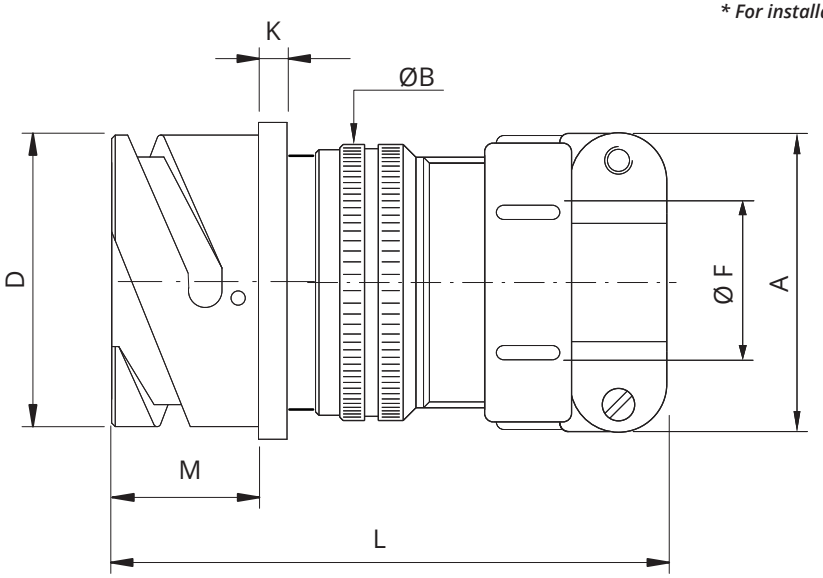
Front Mounting Receptacle (00) with Backshell Class (AS - ASF)

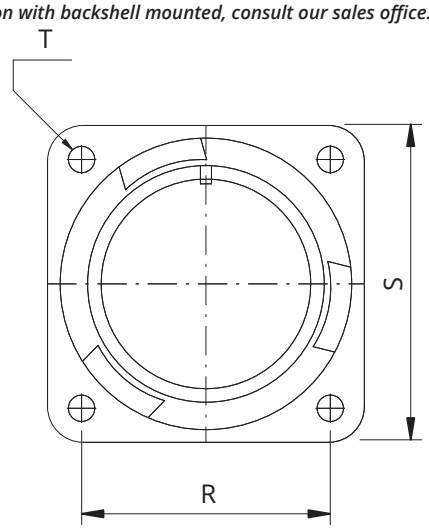
Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



Panel cut out

** For installation with backshell mounted, consult our sales office.*





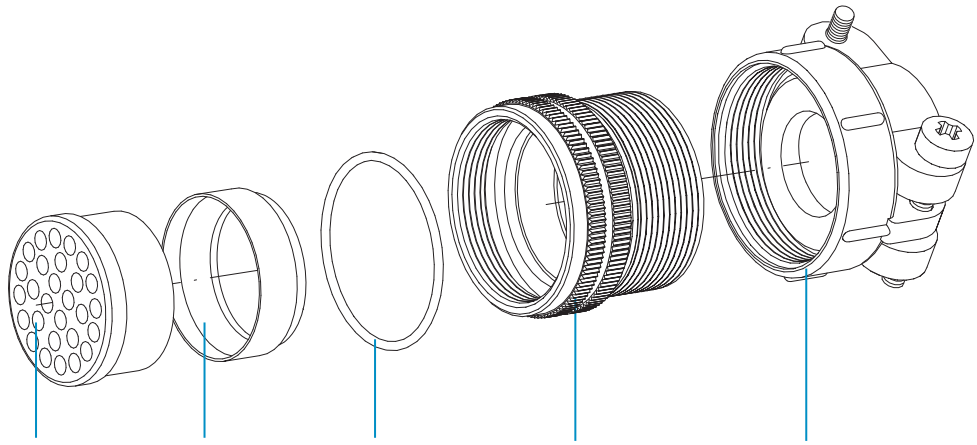
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	51	2.8	14.2	22.5	8	18.2	25.4	3.1	3.4	17
14S	24.6	24	54.5	3.2	14.5	28	11	23	30.2	3.1	3.4	20
16S	27.4	27	56	3.2	14.2	30	14.2	24.6	32.5	3.1	3.4	23
16	27.4	27	63.5	3.2	19	30	14.2	24.6	32.5	3.1	3.4	23
18	30.8	30	66.5	4	19	31.7	15.8	27	34.9	3.1	3.4	26.5
20	34.2	32	66.5	4	19	37.5	19	29.4	38.1	3.1	3.4	30
22	37.4	37	69.5	4	19.7	37.5	19	31.8	41	3.1	3.4	33
24	40.9	40	69.5	4	20.6	43.5	23.8	34.9	44.5	3.7	3.9	36
28	46.7	45	77.5	4	20.6	43.5	23.8	39.7	50.8	3.7	3.9	42
32	53.4	52	78.5	4	22.2	51.7	31.7	44.5	57	4.4	4.5	48.5
36	59.6	58	78.5	4	22.2	58.5	35	49.2	63.5	4.4	4.5	55
40	65.5	63.2	92	4	22.2	68.5	41.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	AS	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	Shell Type	00	Front mounting Receptacle
AS	Connector Class	AS	non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

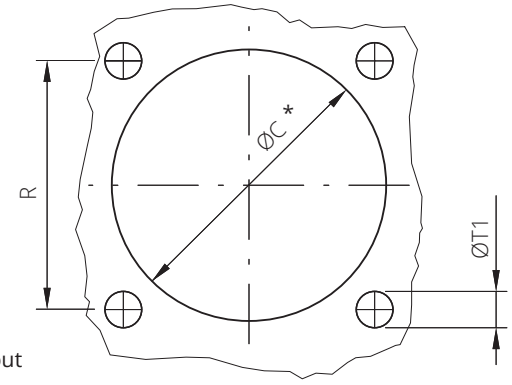
P/N Sample: RF CVB 00AST 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

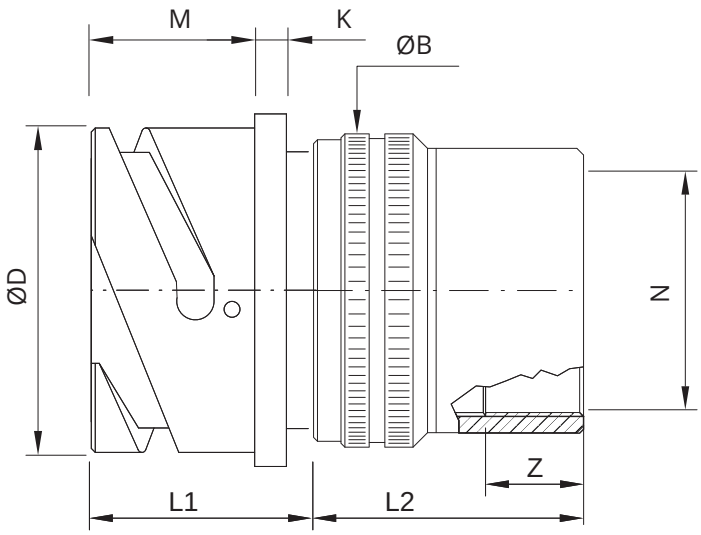
Front Mounting Receptacle (00) with Backshell Class (DA..M - RA..M DA..PG - RA..PG)

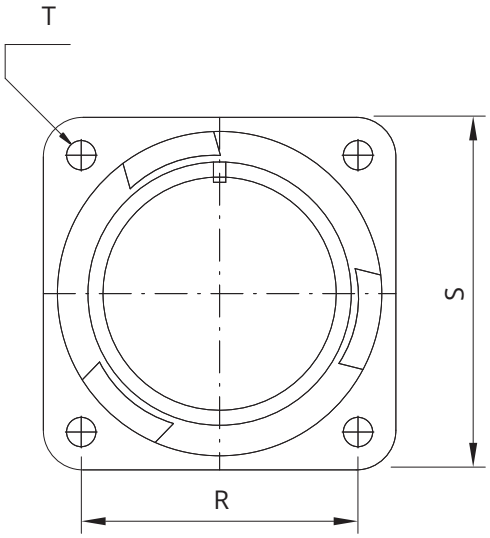
Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Panel cut out

** For installation with backshell mounted, consult our sales office.*





Shell size	ØD +0 -0.15	ØB ±0.2	M ±0.2	K ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	14.2	2.8	8	18,2	M12 - M16	32	(PG9) - PG13.5	26	18.2	25.4	3.1	3.4	17
14S	24.6	24	14.5	3.2	9	19,3	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30	23	30.2	3.1	3.4	20
16S	27.4	27	14.2	3.2	9	18,5	(M16) - M20	40	PG13.5 - (PG16)	38	24.6	32.5	3.1	3.4	23
16	27.4	27	19	3.2	9	22,6	M20	45	PG16	40	24.6	32.5	3.1	3.4	23
18	30.8	30	19	4	9	24	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50	27	34.9	3.1	3.4	26.5
20	34.2	32	19	4	9	23,1	(M12) - M20	50	PG11 - PG13.5 - PG16	50	29.4	38.1	3.1	3.4	30
22	37.4	37	19.7	4	10	23	M25 - M32	50	PG21	50	31.8	41	3.1	3.4	33
24	40.9	40	20.6	4	10	25,7	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50	34.9	44.5	3.7	3.9	36
28	46.7	45	20.6	4	10	26,1	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60	39.7	50.8	3.7	3.9	42
32	53.4	52	22.2	4	10	27,9	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60	44.5	57	4.4	4.5	48.5
36	59.6	58	22.2	4	13	28,7	M40 - M50	56	PG29 - (PG36) - (PG42)	65	49.2	63.5	4.4	4.5	55
40	65.5	63.2	22.2	4	13	28	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65	55.6	69.8	4.4	4.5	61

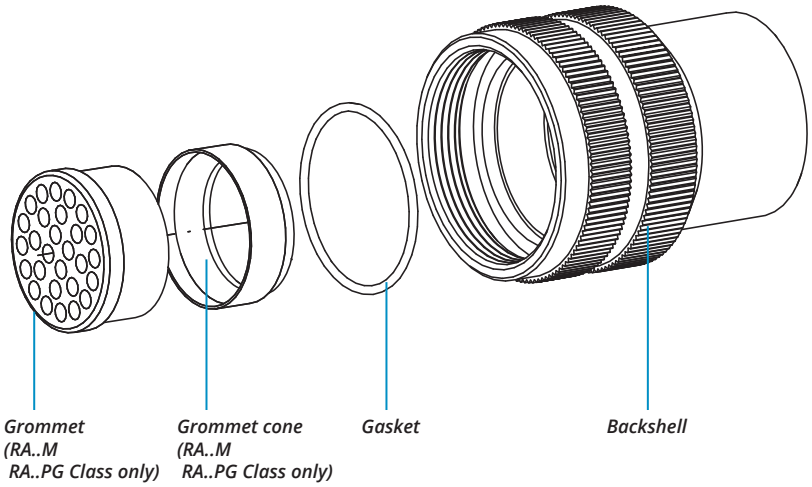
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVB - Bayonet Connector

RF	CVB	303	00	DA	T	20-27	S	X	M12	CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

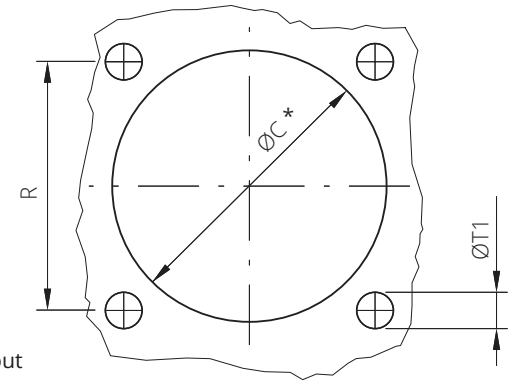
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVB 00DAT 20-27SX M12 CR CD5 F7 G N

CVB - Bayonet Connector

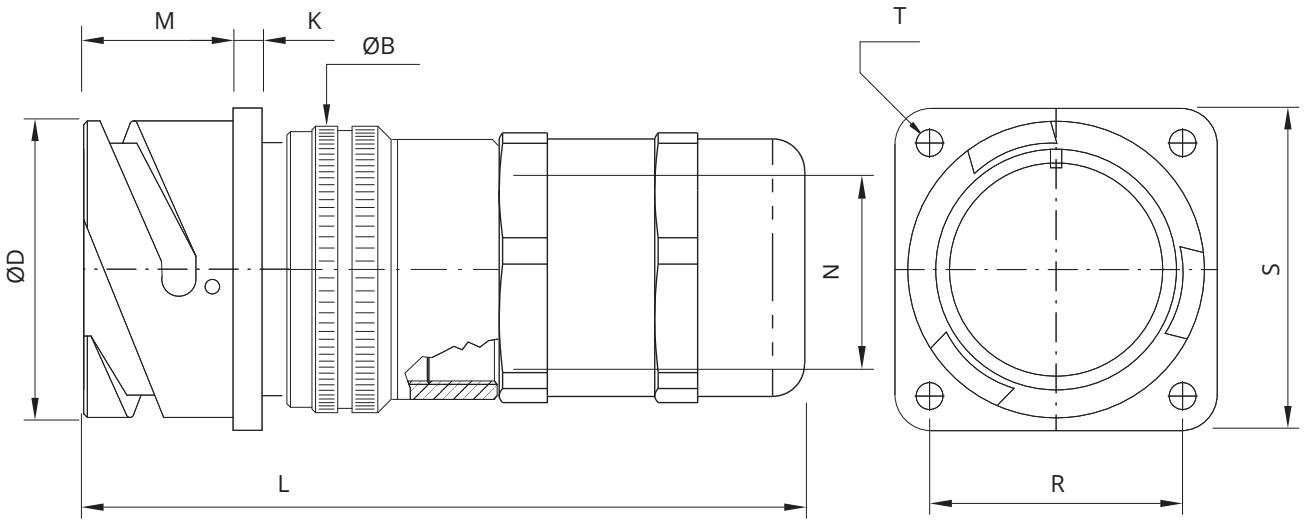
Front Mounting Receptacle (00) with Backshell Class (DA..MH - RA..MH DA..PH - RA..PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



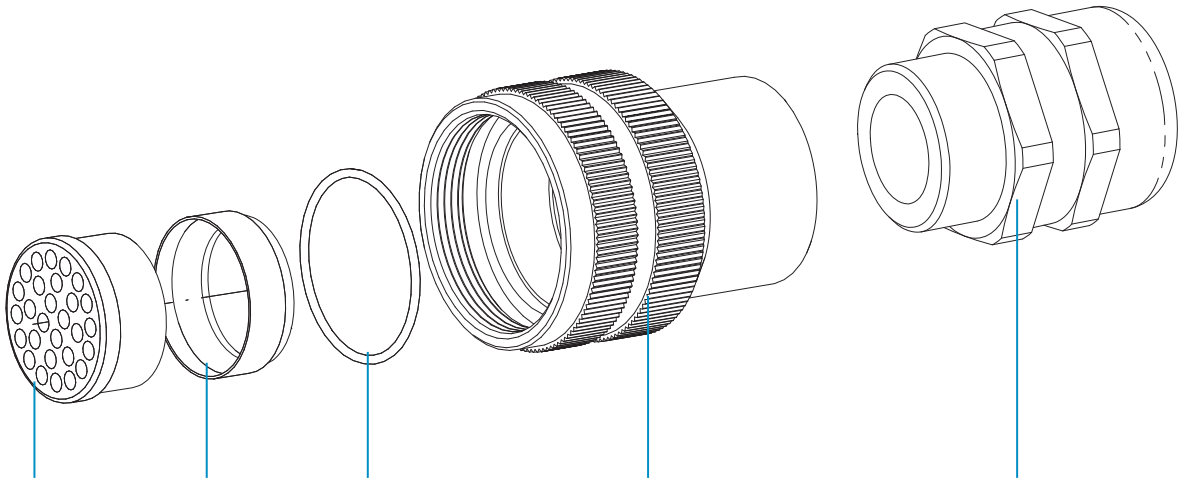
Shell size	ØD +0 -0.15	ØB ±0.2	L max	K ±0.2	M ±0.2	Backshell Metric Thread	ØN Clamping range	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	87	2.8	14.2	M12	3.5-7	18.2	25.4	3.1	3.4	17
14S	24.6	24	93	3.2	14.5	M16	4.5-10	23	30.2	3.1	3.4	20
16S	27.4	27	96.5	3.2	14.2	M20	7-13	24.6	32.5	3.1	3.4	23
16	27.4	27	103.5	3.2	19	M20	7-13	24.6	32.5	3.1	3.4	23
18	30.8	30	103.5	4	19	M20	7-13	27	34.9	3.1	3.4	26.5
20	34.2	32	104.5	4	19	M25	9-17	29.4	38.1	3.1	3.4	30
22	37.4	37	110.5	4	19.7	M32	11-21	31.8	41	3.1	3.4	33
24	40.9	40	112.5	4	20.6	M32	11-21	34.9	44.5	3.7	3.9	36
28	46.7	45	122.5	4	20.6	M32	11-21	39.7	50.8	3.7	3.9	42
32	53.4	52	127	4	22.2	M40	19-28	44.5	57	4.4	4.5	48.5
36	59.6	58	132	4	22.2	M40	19-28	49.2	63.5	4.4	4.5	55
40	65.5	63.2	138	4	22.2	M40	19-28	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	00	DA	T	20-27	S	X	MH12	CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands***
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

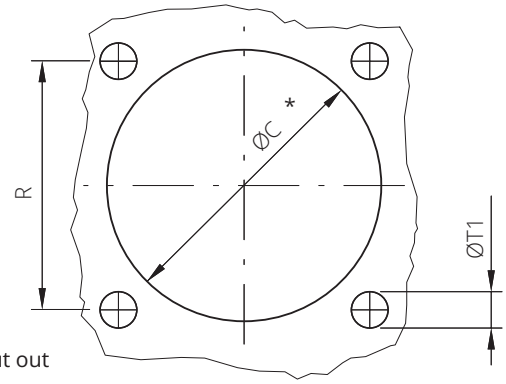
P/N Sample: RF CVB 00DAT 20-27SX MH12 CR CD5 F7 G N

(*) RoHS compliance *(**) If required* **** Consult our sales office*

CVB - Bayonet Connector

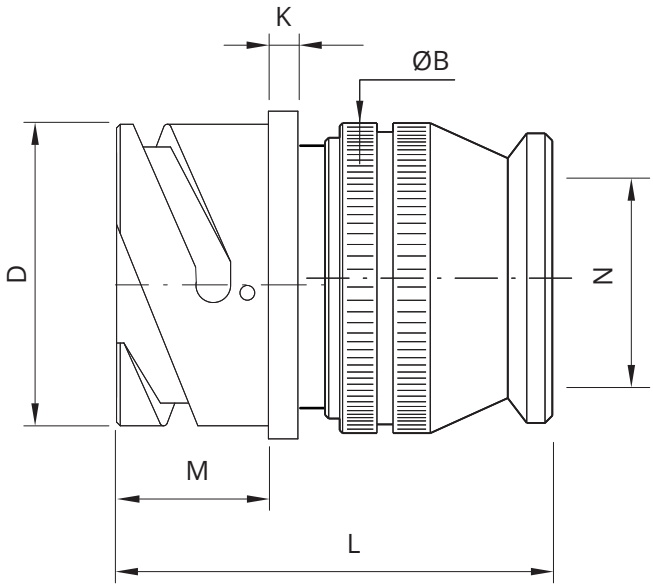
Front Mounting Receptacle (00) with Backshell Class (AR - R)

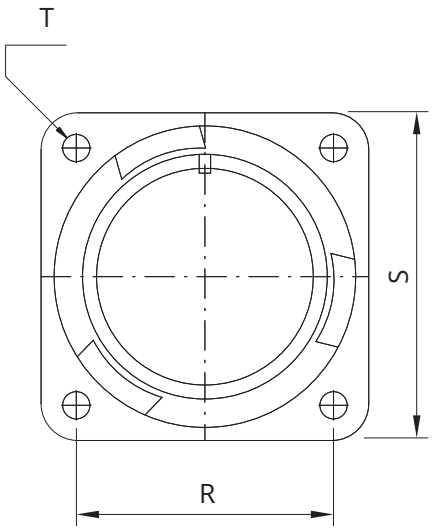
This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



Panel cut out

** For installation with backshell mounted, consult our sales office.*





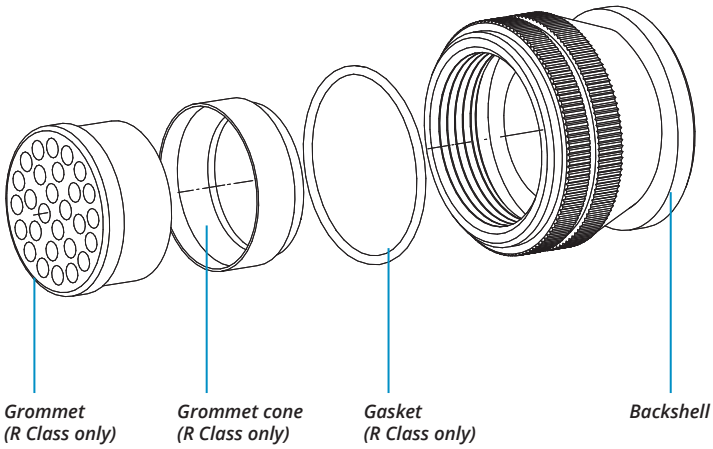
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	N max cable dimension	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	35	2.8	14.2	10	18.2	25.4	3.1	3.4	17
14S	24.6	24	35.5	3.2	14.5	13.5	23	30.2	3.1	3.4	20
16S	27.4	27	39	3.2	14.2	16.1	24.6	32.5	3.1	3.4	23
16	27.4	27	48.5	3.2	19	16.5	24.6	32.5	3.1	3.4	23
18	30.8	29.4	50	4	19	19	27	34.9	3.1	3.4	26.5
20	34.2	32	50	4	19	22.2	29.4	38.1	3.1	3.4	30
22	37.4	37	52	4	19.7	24.5	31.8	41	3.1	3.4	33
24	40.9	40	55.6	4	20.6	28	34.9	44.5	3.7	3.9	36
28	46.7	45	56	4	20.6	32.6	39.7	50.8	3.7	3.9	42
32	53.4	52	58	4	22.2	38	44.5	57	4.4	4.5	48.5
36	59.6	58	61.5	4	22.2	45	49.2	63.5	4.4	4.5	55
40	65.5	63.2	59	4	22.2	51.3	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	00	R	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	**Shell Type**	00	Front mounting Receptacle
R	**Connector Class**	AR	non watertight
		R	With O-ring and grommet
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

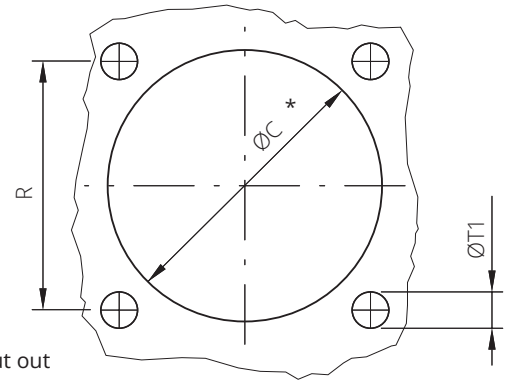
P/N Sample: RF CVB 00RT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

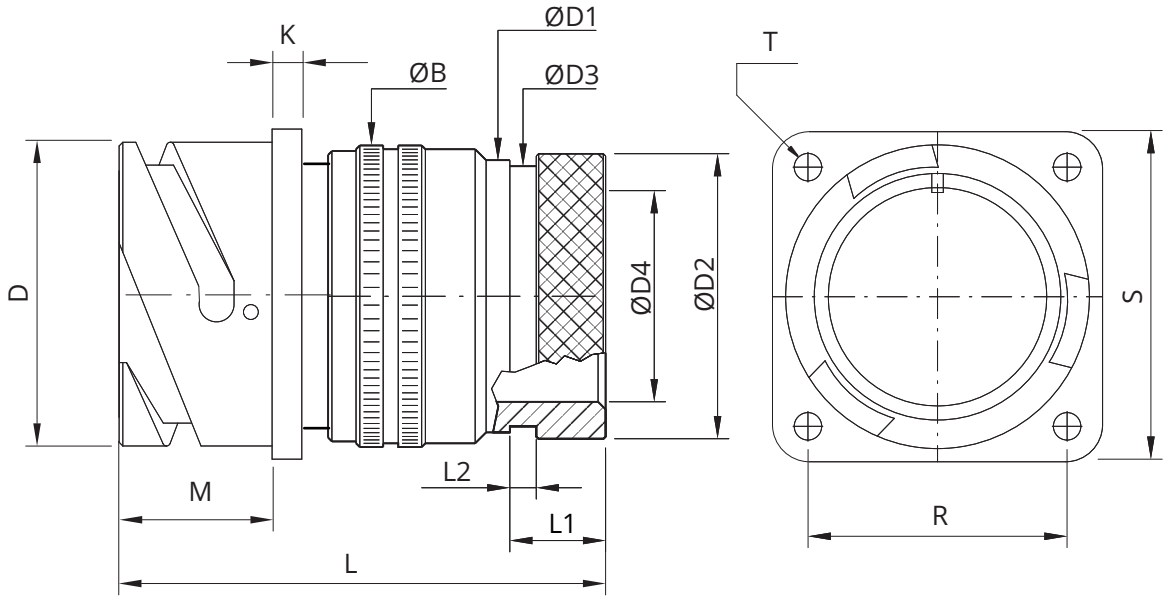
Front Mounting Receptacle (00) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



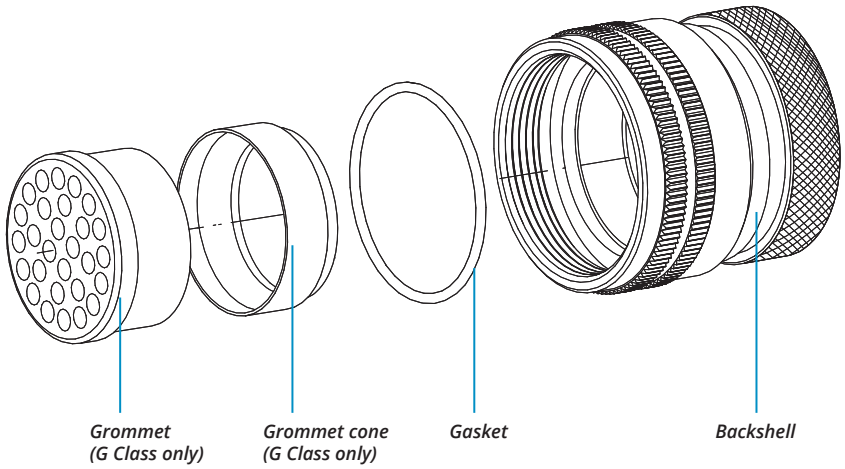
Shell size	ØD +0 -0.15	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2	K ±0.2	M ±0.2	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	20	17	15.5	13.3	7.9	48	11.7	3.5	2.8	14.2	18.2	25.4	3.1	3.4	17
14S	24.6	24	20.1	19.1	17	13.5	48	11.7	3.5	3.2	14.5	23	30.2	3.1	3.4	20
16S	27.4	27	23.5	23.9	21.9	13.7	48	11.7	3.5	3.2	14.2	24.6	32.5	3.1	3.4	23
16	27.4	27	23.5	23.9	21.9	16.1	60	11.5	3.5	3.2	19	24.6	32.5	3.1	3.4	23
18	30.8	30	26.5	23.9	21.9	19	65	11.5	3.5	4	19	27	34.9	3.1	3.4	26.5
20	34.2	33	30.2	29.6	26.2	22.2	65	12.4	3.5	4	19	29.4	38.1	3.1	3.4	30
22	37.4	37	33.6	29.6	26.2	22	65	12.7	3.5	4	19.7	31.8	41	3.1	3.4	33
24	40.9	40	36.1	37.8	34.5	28	65	12.7	3.5	4	20.6	34.9	44.5	3.7	3.9	36
28	46.7	45	41.4	37.8	34.5	29	65	12.7	3.5	4	20.6	39.7	50.8	3.7	3.9	42
32	53.4	52	50	47.8	43.4	35.2	70	15.2	3.5	4	22.2	44.5	57	4.4	4.5	48.5
36	59.6	57.2	56	47.7	43.4	40	75	15.2	3.5	4	22.2	49.2	63.5	4.4	4.5	55
40	65.5	63.6	62.4	57.6	52.4	48	77	15.2	3.5	4	22.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		00	AG	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
	Shell Material	-	Aluminum
00	**Shell Type**	00	Front mounting Receptacle
AG	**Connector Class**	AG	With waterproof O-ring (IP67***)
		G	With waterproof O-ring and grommet (IP67***)
T	**Connector Modification****	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N S	Consult our sales office

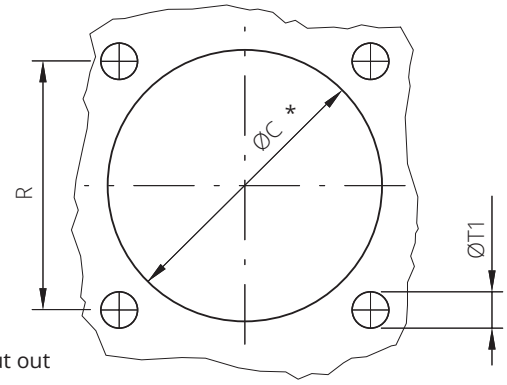
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

P/N Sample: RF CVB 00AGT 20-27SX CR CD5 F7 G N

CVB - Bayonet Connector

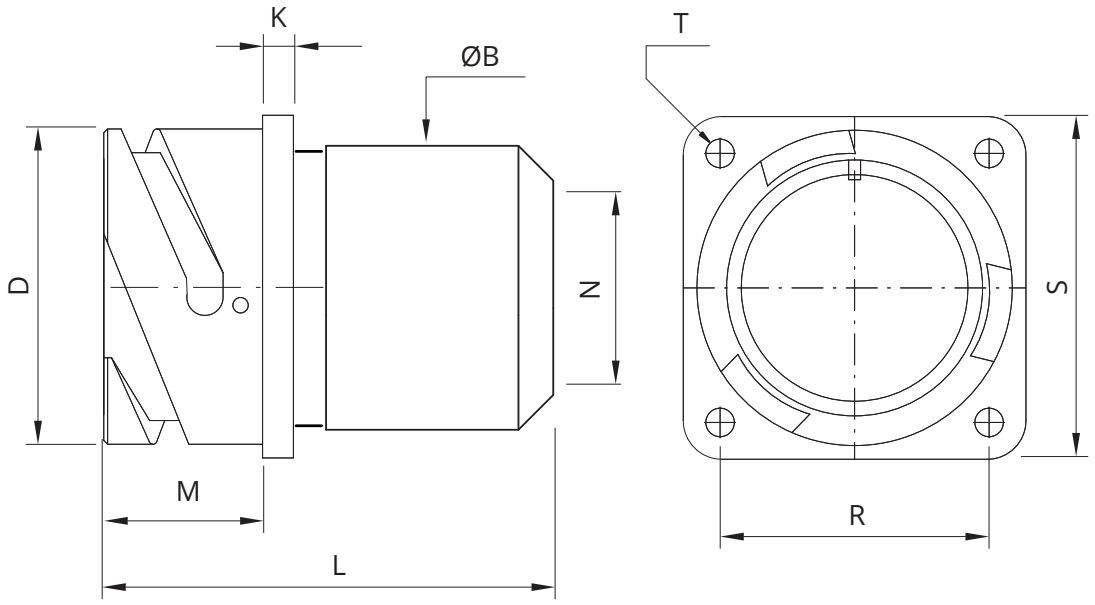
Front Mounting Receptacle (00) with Backshell Class (P)

Connector with backshell for potting.



Panel cut out

** For installation with backshell mounted, consult our sales office.*



Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	N	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC* ±0.2
10SL	18.2	**	**	2.8	14.2	**	18.2	25.4	3.1	3.4	17
14S	24.6	**	**	3.2	14.5	**	23	30.2	3.1	3.4	20
16S	27.4	**	**	3.2	14.2	**	24.6	32.5	3.1	3.4	23
16	27.4	**	**	3.2	19	**	24.6	32.5	3.1	3.4	23
18	30.8	**	**	4	19	**	27	34.9	3.1	3.4	26.5
20	34.2	32	47.7	4	19	24.8	29.4	38.1	3.1	3.4	30
22	37.4	**	**	4	19.7	**	31.8	41	3.1	3.4	33
24	40.9	39	49.5	4	20.6	31.3	34.9	44.5	3.7	3.9	36
28	46.7	45	49.5	4	20.6	36.1	39.7	50.8	3.7	3.9	42
32	53.4	**	**	4	22.2	**	44.5	57	4.4	4.5	48.5
36	59.6	**	**	4	22.2	**	49.2	63.5	4.4	4.5	55
40	65.5	**	**	4	22.2	**	55.6	69.8	4.4	4.5	61

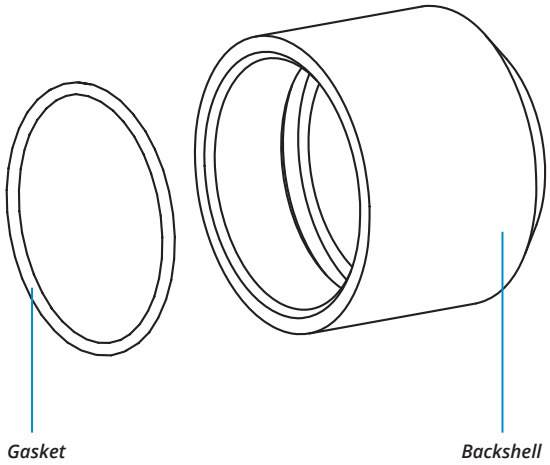
*** On request*

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	00	P	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
00	Shell Type	00	Front mounting Receptacle
P	Connector Class	P	with waterproof O-ring (IP67***)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

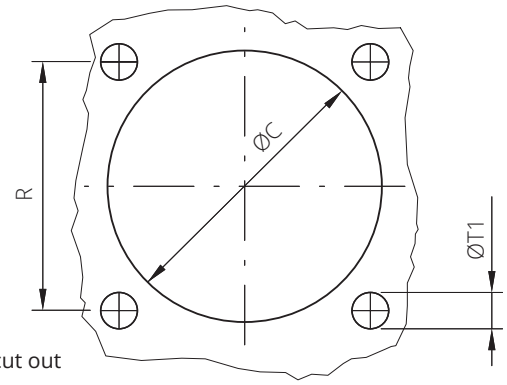
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

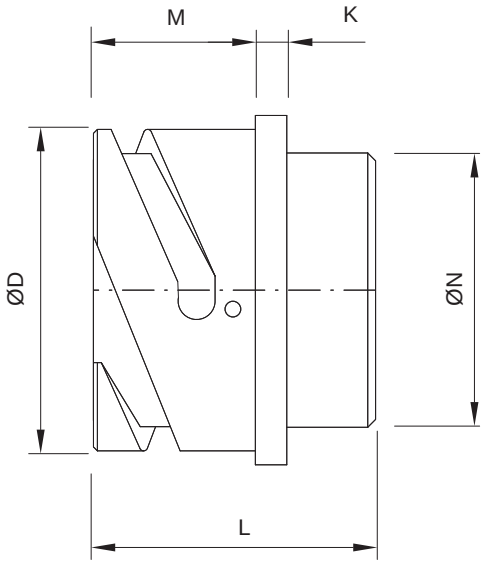
P/N Sample: RF CVB 00PT 20-27SX CR CD5 F7 G N

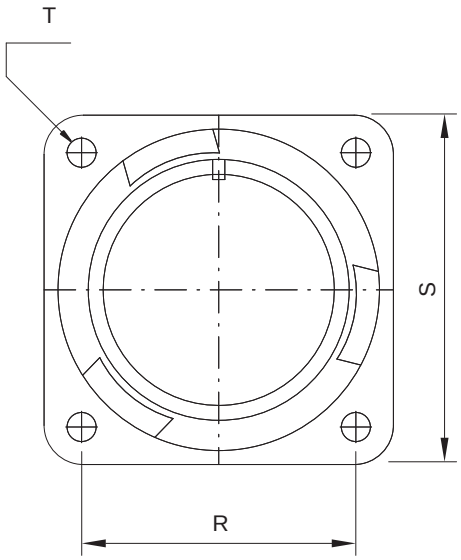
CVB - Bayonet Connector

Front Mounting Receptacle (020) without Accessories (To be purchased separately)



Panel cut out





Shell size	ØD +0 -0.15	L	K ±0.2	M ±0.2	ØN Thread in inches	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC ±0.2
10SL	18.2	24.6	2.8	14.2	5/8"-24 UNEF	18.2	25.4	3.1	3.4	17
14S	24.6	24.6	3.2	14.5	3/4"-20 UNEF	23	30.2	3.1	3.4	20
16S	27.4	24.6	3.2	14.2	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
16	27.4	34.1	3.2	19	7/8"-20 UNEF	24.6	32.5	3.1	3.4	23
18	30.8	34.1	4	19	1"-20 UNEF	27	34.9	3.1	3.4	26.5
20	34.2	34.3	4	19	1" 1/8-18 UNEF	29.4	38.1	3.1	3.4	30
22	37.4	34.3	4	19.7	1" 1/4-18 UNEF	31.8	41	3.1	3.4	33
24	40.9	35.8	4	20.6	1" 3/8-18 UNEF	34.9	44.5	3.7	3.9	36
28	46.7	35.8	4	20.6	1" 5/8-18 UNEF	39.7	50.8	3.7	3.9	42
32	53.4	37.6	4	22.2	1" 7/8-16 UN	44.5	57	4.4	4.5	48.5
36	59.6	37.6	4	22.2	2" 1/16-16 UNS	49.2	63.5	4.4	4.5	55
40	65.5	37.6	4	22.2	2" 5/16-16 UNS	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	020		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
020	Shell Type	020	Front mounting Receptacle
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP54)
N	Modification Code**	N	Consult our sales office
		S	

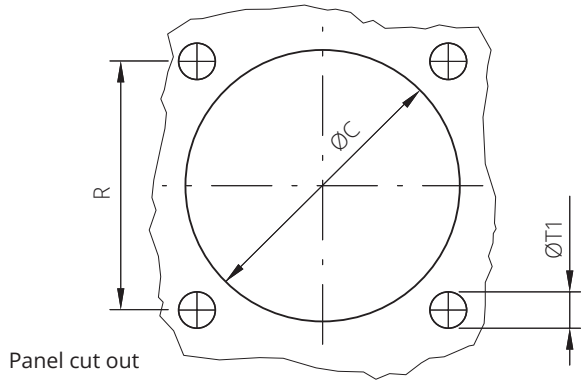
P/N Sample: RF CVB 020T 20-27SX CR CD5 F7 G N

(*) RoHS compliance

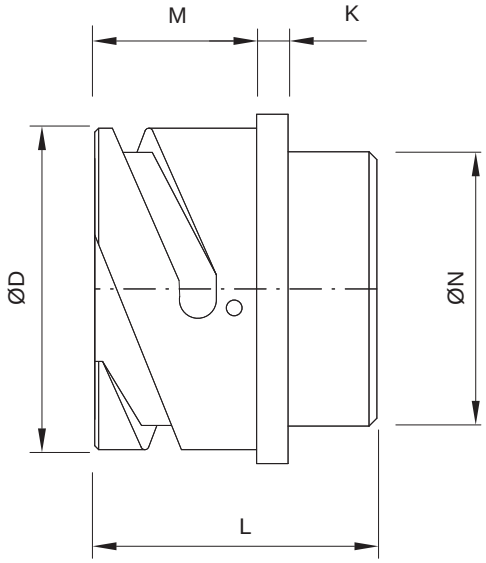
(**) If required

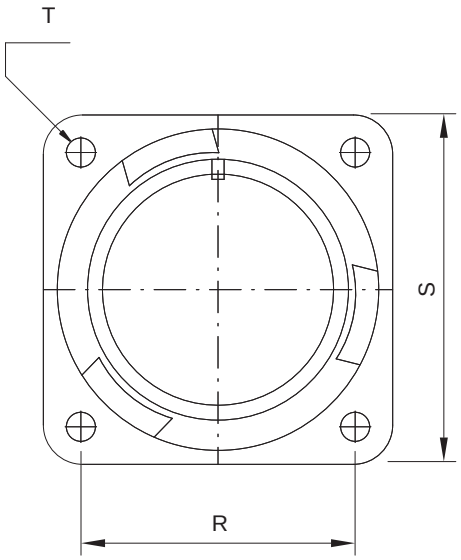
CVB - Bayonet Connector

Front Mounting Receptacle (02 - 02A - 02R) unable to Accept Rear Accessories



Panel cut out





Shell size	ØD +0 -0.15	L	K ±0.2	M ±0.2	ØN Max	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC ±0.2
10SL	18.2	24.6	2.8	14.2	16.1	18.2	25.4	3.1	3.4	17
14S	24.6	24.6	3.2	14.5	19.2	23	30.2	3.1	3.4	20
16S	27.4	24.6	3.2	14.2	22.5	24.6	32.5	3.1	3.4	23
16	27.4	34.1	3.2	19	22.4	24.6	32.5	3.1	3.4	23
18	30.8	34.1	4	19	25.6	27	34.9	3.1	3.4	26.5
20	34.2	34.3	4	19	28.8	29.4	38.1	3.1	3.4	30
22	37.4	34.3	4	19.7	32.2	31.8	41	3.1	3.4	33
24	40.9	35.8	4	20.6	35.3	34.9	44.5	3.7	3.9	36
28	46.7	35.8	4	20.6	41.5	39.7	50.8	3.7	3.9	42
32	53.4	37.6	4	22.2	47.8	44.5	57	4.4	4.5	48.5
36	59.6	37.6	4	22.2	52.6	49.2	63.5	4.4	4.5	55
40	65.5	37.6	4	22.2	59.2	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	02		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
02	Shell Type	02	Front mounting receptacle connector unable to accept rear accessories (standard version)
		02A	Front mounting receptacle connector non enviromental (equivalent MS3102A..B bayonet version)
		02R	Front mounting receptacle connector enviromental seal (unable to accept rear accessories)
T	Connector Modification**	T	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
		DS	PCB contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP54)
N	Modification Code**	N S	Consult our sales office

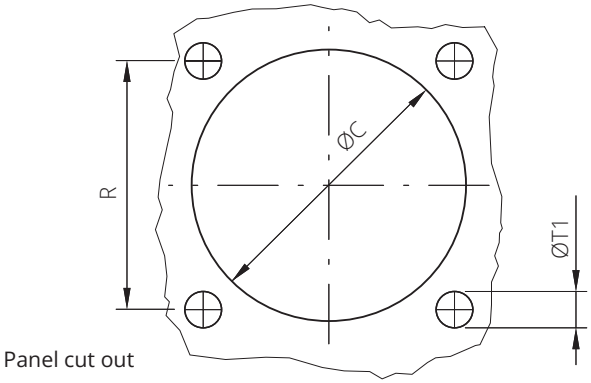
P/N Sample: RF CVB 02T 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

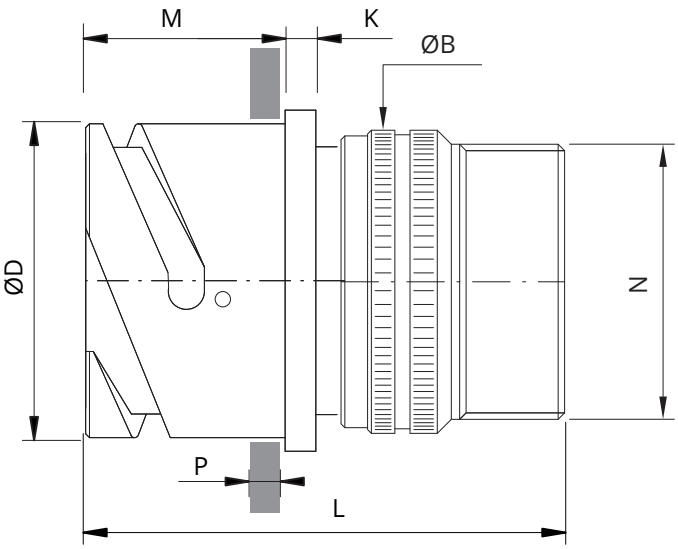
CVB - Bayonet Connector

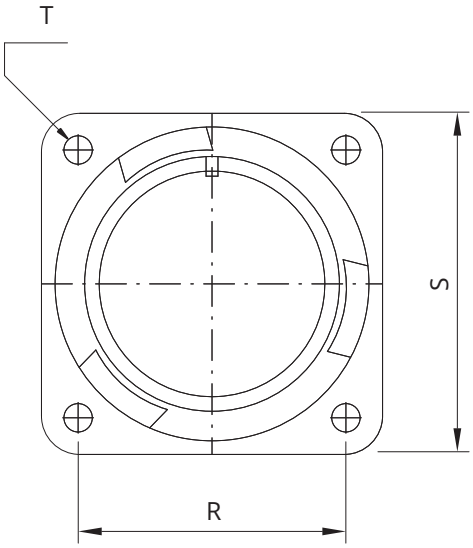
Rear Mounting Receptacle (030) with Backshell Class (A - DA - RA)

Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



Panel cut out





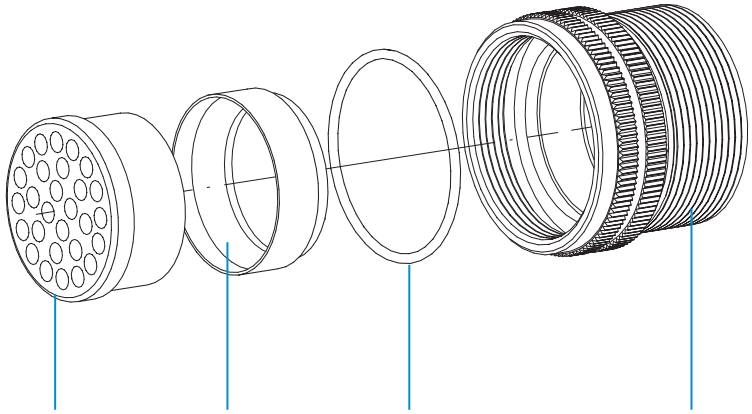
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	N Backshell Thread in inches	R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
10SL	18.2	20	46	18.2	2.8	5/8"-24 UNEF	18.2	25.4	M4	4.5	19.1	6
14S	24.6	24	47.5	18.6	3.2	3/4"-20 UNEF	23	30.2	M4	4.5	25.5	7.2
16S	27.4	27	47.5	18.6	3.2	7/8"-20 UNEF	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	27	54.5	23.05	3.2	7/8"-20 UNEF	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	30	55.5	23.4	4	1"-20 UNEF	27	34.9	M4	4.5	31.7	7.25
20	34.2	32	55.5	23.4	4	1" 3/16-18 UNEF	29.4	38.1	M4	4.5	35	7.3
22	37.4	37	58	23.4	4	1" 3/16-18 UNEF	31.8	41	M4	4.5	38.3	7.3
24	40.9	40	58	23.4	4	1" 7/16-18 UNEF	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	45	65	24.4	4	1" 7/16-18 UNEF	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	52	65	24.4	4	1" 3/4-18 UNS	44.5	57	M5	5.5	54.3	7.5
36	59.6	58	65	24.4	4	2"-18 UNS	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	63.2	65	24.4	4	2"1/4-16 UN	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	030	DA	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
030	Shell Type	030	Rear mounting Receptacle
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

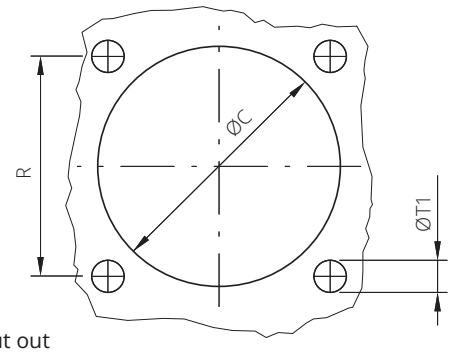
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 030DAT 20-27SX CR CD5 F7 G N

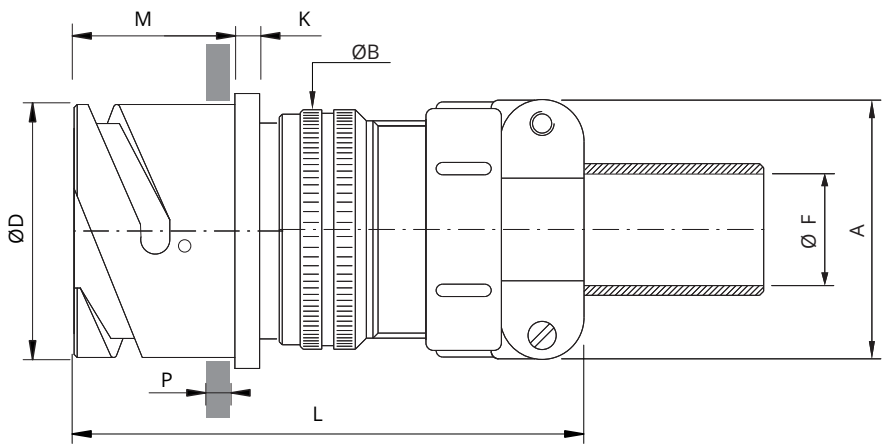
CVB - Bayonet Connector

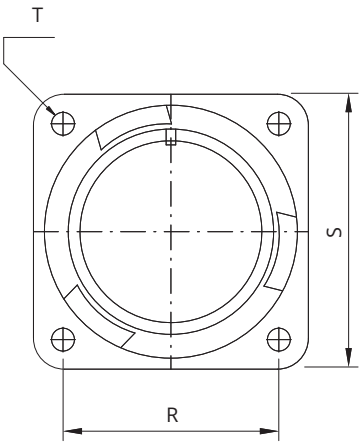
Rear Mounting Receptacle (030) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420...(for single wire)



Panel cut out





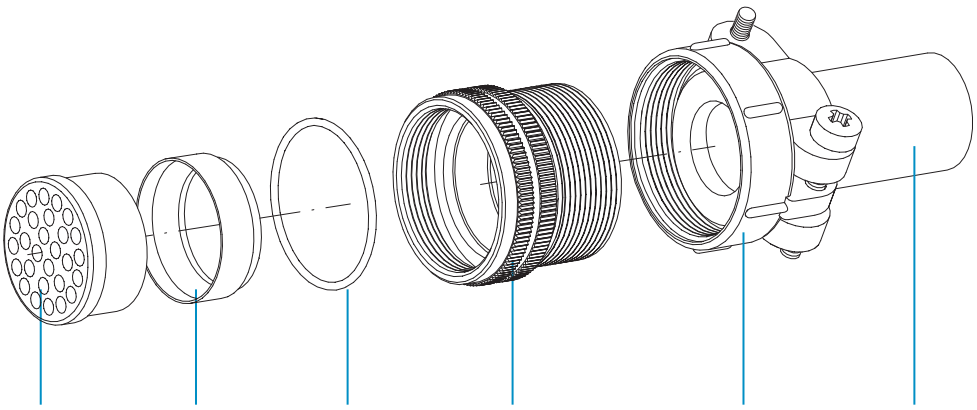
Shell size	ØD +0 -0.15	ØB ±0.2	L	M ±0.2	K ±0.2	A max	ØF cable max dimension	R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
10SL	18.2	20	56	18.2	2.8	22.5	5.6	18.2	25.4	M4	4.5	19.1	6
14S	24.6	24	59.5	18.6	3.2	28	7.9	23	30.2	M4	4.5	25.5	7.2
16S	27.4	27	61	18.6	3.2	30	11	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	27	68	23.05	3.2	30	11	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	30	71	23.4	4	31.7	14.2	27	34.9	M4	4.5	31.7	7.25
20	34.2	32	71	23.4	4	37.5	15.8	29.4	38.1	M4	4.5	35	7.3
22	37.4	37	73.5	23.4	4	37.5	15.8	31.8	41	M4	4.5	38.3	7.3
24	40.9	40	73.5	23.4	4	43.5	19	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	45	80.5	24.4	4	43.5	19	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	52	80.5	24.4	4	51.7	23.8	44.5	57	M5	5.5	54.3	7.5
36	59.6	58	81	24.4	4	58.5	31.7	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	63.2	94	24.4	4	68.5	34.9	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		030	AF	T	20-27	S	X		CR	CD5	F7	G	N
Series Code	Shell Material		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
030	Shell Type	030	Rear mounting Receptacle
AF	Connector Class	F	with waterproof O-ring and grommet (IP54)
		AF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N S	Consult our sales office

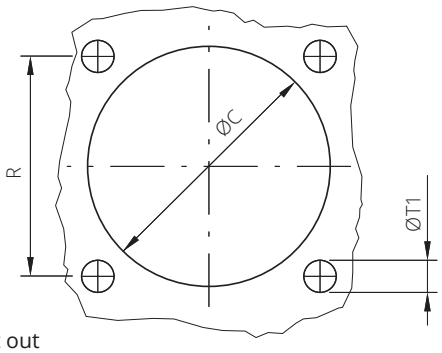
P/N Sample: RF CVB 030AFT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

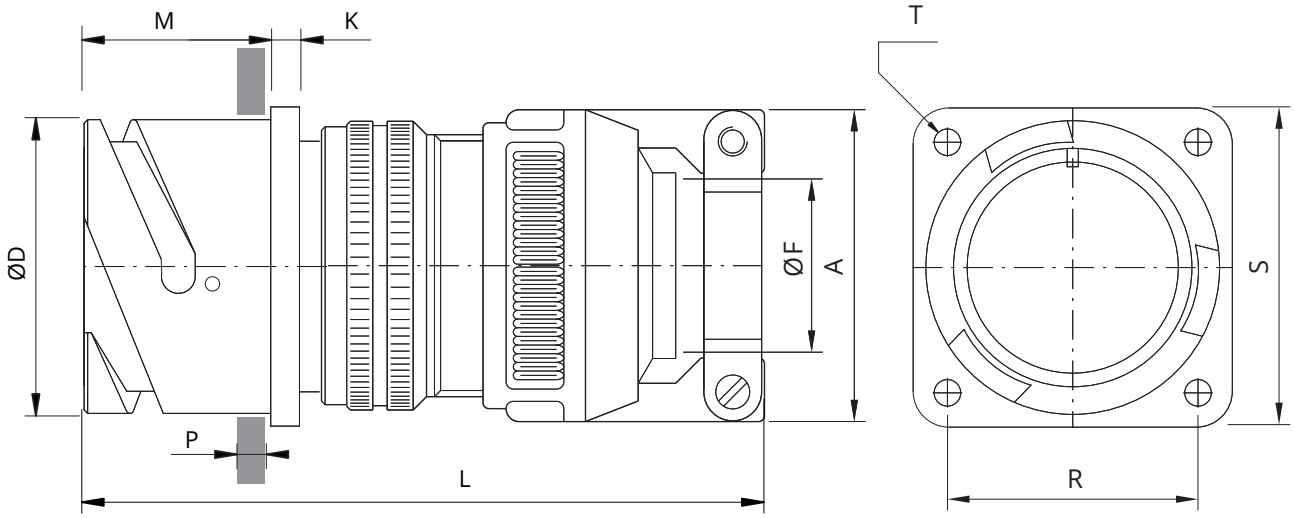
CVB - Bayonet Connector

Rear Mounting Receptacle (030) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



Panel cut out



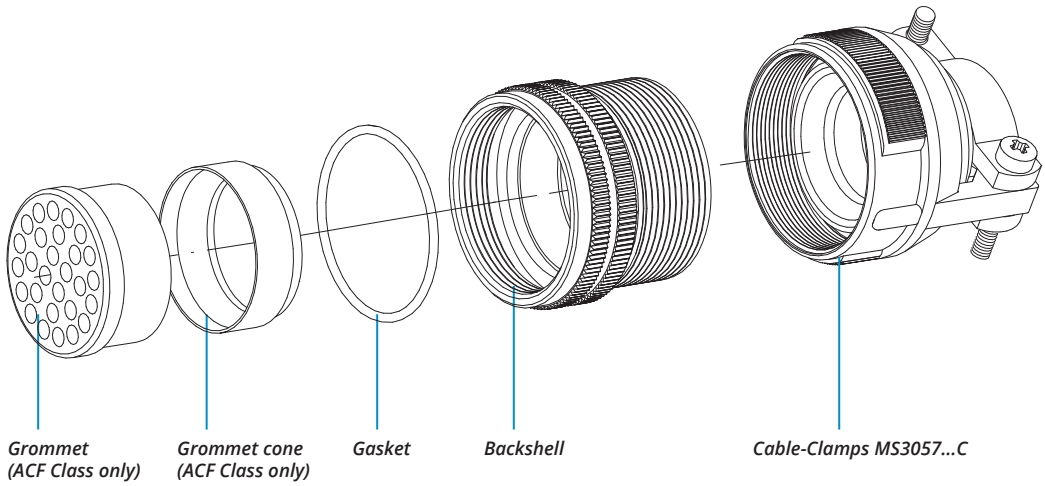
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	A ±0.2	ØF cable dimension		R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
							Min	Max						
10SL	18.2	20	70	2.8	18.2	23	2.4	7.9	18.2	25.4	M4	4.5	19.1	6
14S	24.6	24	71.5	3.2	18.6	26	5.8	11.2	23	30.2	M4	4.5	25.5	7.2
16S	27.4	27	72.5	3.2	18.6	28.5	8	13.5	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	27	79.5	3.2	23.05	28.5	8	13.5	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	30	83	4	23.4	32	9.6	15.9	27	34.9	M4	4.5	31.7	7.25
20	34.2	32	83	4	23.4	37.5	11.3	19	29.4	38.1	M4	4.5	35	7.3
22	37.4	37	84.5	4	23.4	37.5	11.3	19	31.8	41	M4	4.5	38.3	7.3
24	40.9	40	91.5	4	23.4	43.5	15.5	23.8	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	45	98.5	4	24.4	43.5	15.5	23.8	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	52	103	4	24.4	54	23.4	31.8	44.5	57	M5	5.5	54.3	7.5
36	59.6	58	107.5	4	24.4	58	25.4	35	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	63.2	109	4	24.4	63.5	30	41.3	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		030	AC	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
030	Shell Type	030	Rear mounting Receptacle
AC	Connector Class	ACF	with waterproof O-ring and grommet (IP67)
		AC	with waterproof O-ring (IP67)
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N	Consult our sales office
		S	

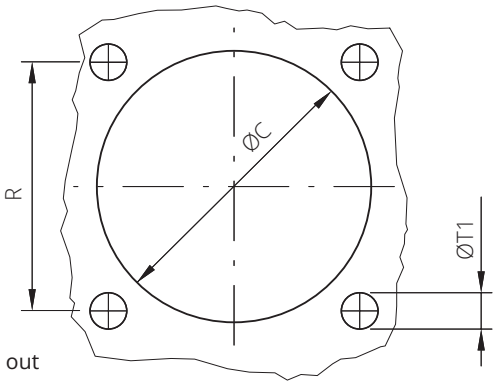
P/N Sample: RF CVB 030ACT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

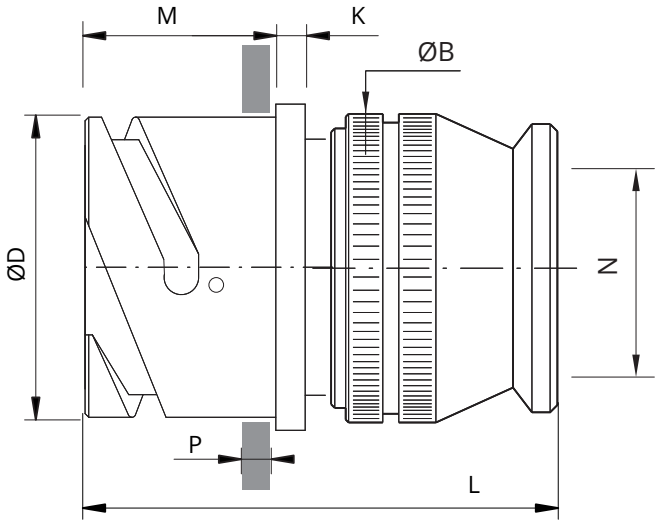
CVB - Bayonet Connector

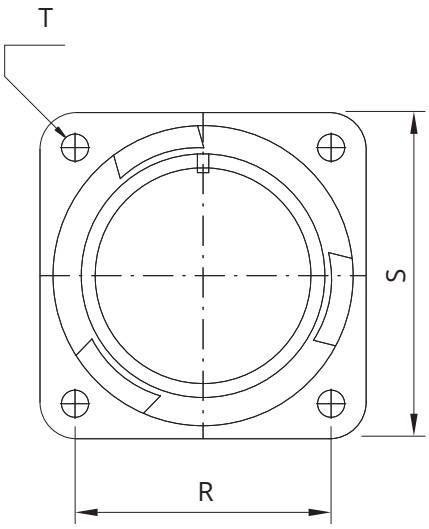
Rear Mounting Receptacle (030) with Backshell Class (AR - R)

This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



Panel cut out





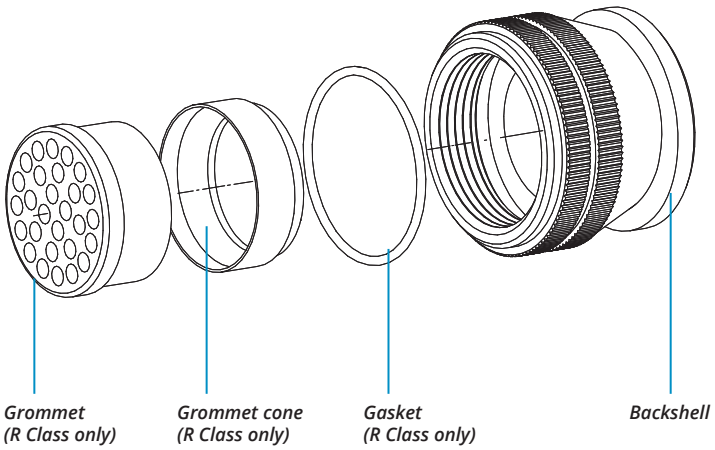
Shell size	ØD +0 -0.15	ØB ±0.2	L	K ±0.2	M ±0.2	N max cable dimension	R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
10SL	18.2	20	46	2.8	18.2	10	18.2	25.4	M4	4.5	19.1	6
14S	24.6	24	47	3.2	18.6	13.5	23	30.2	M4	4.5	25.5	7.2
16S	27.4	27	47	3.2	18.6	16.1	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	27	54	3.2	23.05	16.5	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	29.4	55	4	23.4	19	27	34.9	M4	4.5	31.7	7.25
20	34.2	32	55	4	23.4	22.2	29.4	38.1	M4	4.5	35	7.3
22	37.4	37	57	4	23.4	24.5	31.8	41	M4	4.5	38.3	7.3
24	40.9	40	57	4	23.4	28	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	45	64	4	24.4	32.6	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	52	64	4	24.4	38	44.5	57	M5	5.5	54.3	7.5
36	59.6	58	64	4	24.4	45	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	63.2	64	4	24.4	51.3	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	030	R	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
030	**Shell Type**	030	Rear mounting Receptacle
R	**Connector Class**	AR	non watertight
		R	With O-ring and grommet
T	**Connector Modification****	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	**Panel Gasket**	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	**Modification Code****	N	Consult our sales office
		S	

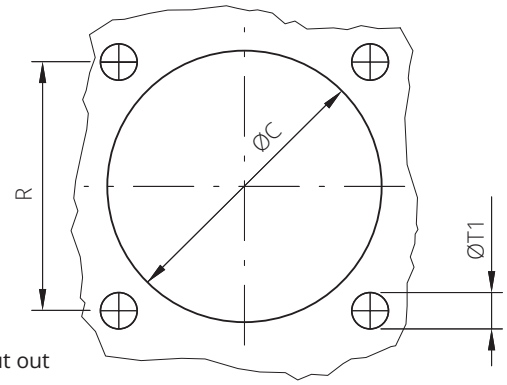
P/N Sample: RF CVB 030RT 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

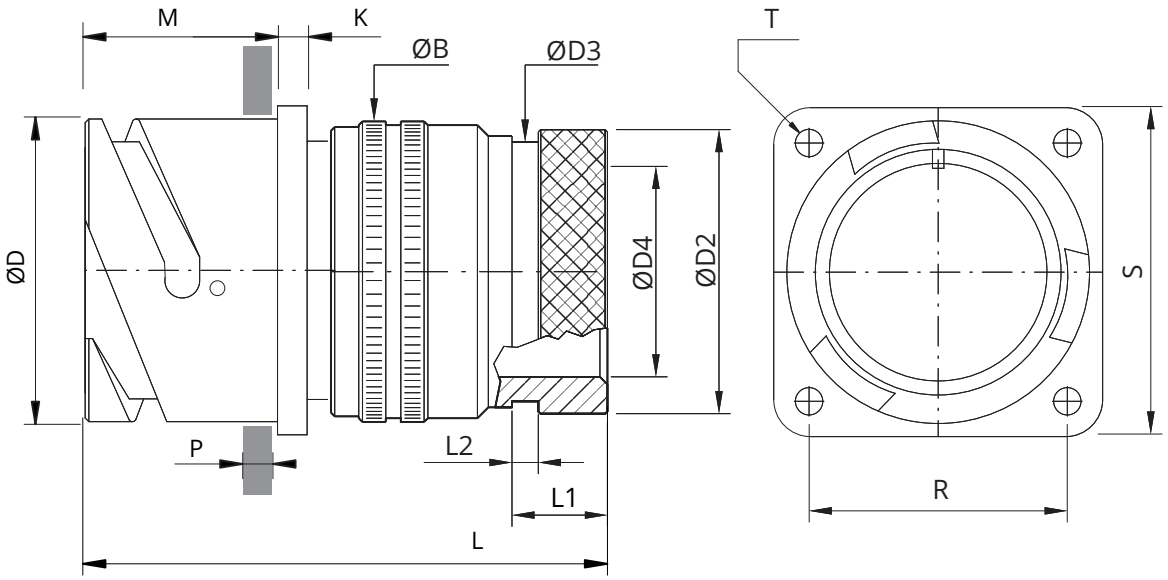
CVB - Bayonet Connector

Rear Mounting Receptacle (030) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



Panel cut out



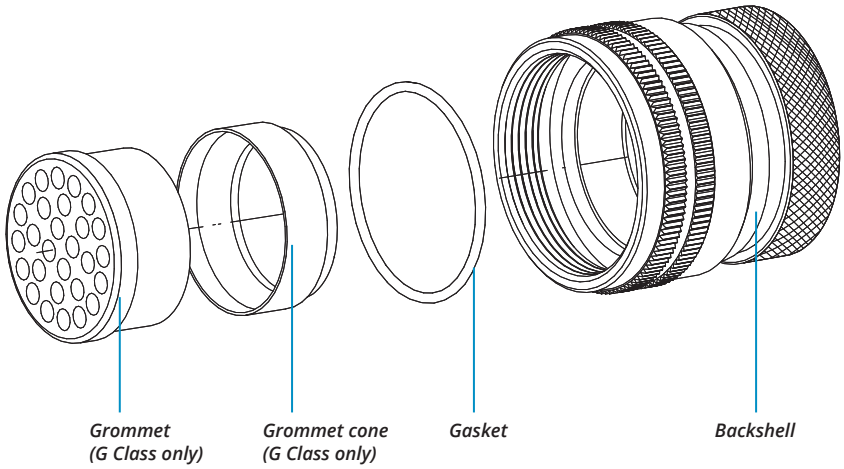
Shell size	ØD +0 -0.15	ØB ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2	K ±0.2	M ±0.2	R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
10SL	18.2	20	15.5	13.3	7.9	48	11.7	3.5	2.8	18.2	18.2	25.4	M4	4.5	19.1	6
14S	24.6	24	19.1	17	13.5	48	11.7	3.5	3.2	18.6	23	30.2	M4	4.5	25.5	7.2
16S	27.4	27	23.9	21.9	13.7	48	11.7	3.5	3.2	18.6	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	27	23.9	21.9	16.1	60	11.5	3.5	3.2	23.05	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	30	23.9	21.9	19	65	11.5	3.5	4	23.4	27	34.9	M4	4.5	31.7	7.25
20	34.2	33	29.6	26.2	22.2	65	12.4	3.5	4	23.4	29.4	38.1	M4	4.5	35	7.3
22	37.4	37	29.6	26.2	22	65	12.7	3.5	4	23.4	31.8	41	M4	4.5	38.3	7.3
24	40.9	40	37.8	34.5	28	65	12.7	3.5	4	23.4	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	45	37.8	34.5	29	65	12.7	3.5	4	24.4	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	52	47.8	43.4	35.2	70	15.2	3.5	4	24.4	44.5	57	M5	5.5	54.3	7.5
36	59.6	57.2	47.7	43.4	40	75	15.2	3.5	4	24.4	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	63.6	57.6	52.4	48	77	15.2	3.5	4	24.4	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		030	AG	T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
030	Shell Type	030	Rear mounting Receptacle
AG	Connector Class	AG	With waterproof O-ring (IP67***)
		G	With waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type

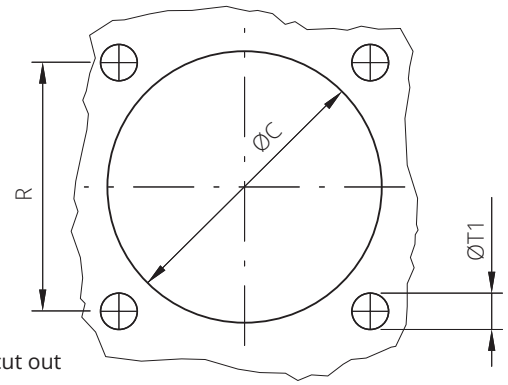
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket
		G2	Supplied with shielded panel gasket
N	Modification Code**	N S	Consult our sales office

**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

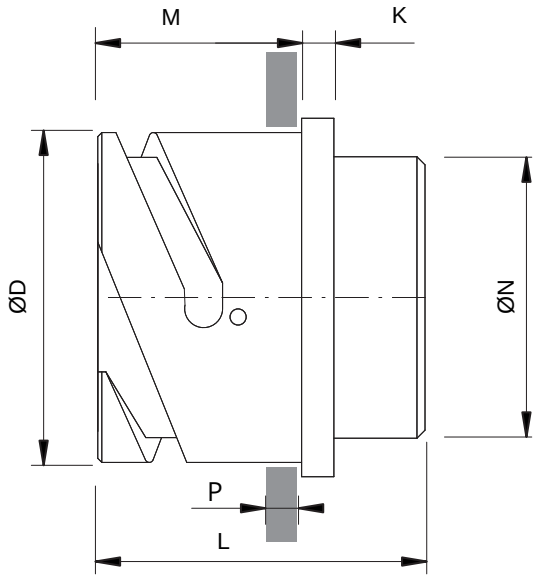
P/N Sample: RF CVB 030AGT 20-27SX CR CD5 F7 G N

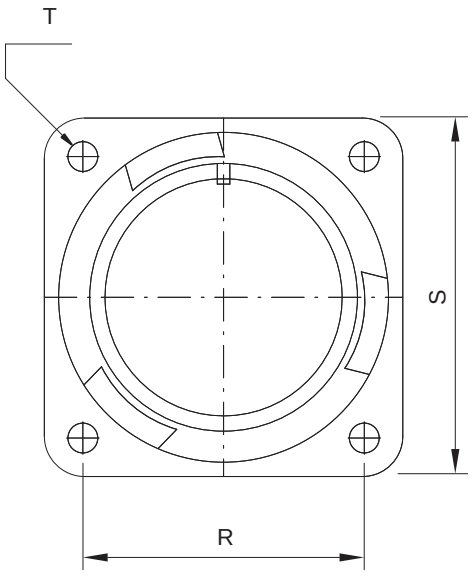
CVB - Bayonet Connector

Rear Mounting Receptacle (03 - 03A - 03R) unable to accept Rear Accessories



Panel cut out





Shell size	ØD +0 -0.15	L	K ±0.2	M ±0.2	ØN Max	R ±0.1	S ±0.3	ØT	ØT1	ØC ±0.2	P Panel Thickness Max
10SL	18.2	30	2.8	18.2	16.1	18.2	25.4	M4	4.5	19.1	6
14S	24.6	30	3.2	18.6	19.2	23	30.2	M4	4.5	25.5	7.2
16S	27.4	30	3.2	18.6	22.5	24.6	32.5	M4	4.5	28.3	7.2
16	27.4	38.8	3.2	23.05	22.4	24.6	32.5	M4	4.5	28.3	5.35
18	30.8	38.5	4	23.4	25.6	27	34.9	M4	4.5	31.7	7.25
20	34.2	39.1	4	23.4	28.8	29.4	38.1	M4	4.5	35	7.3
22	37.4	39.3	4	23.4	32.2	31.8	41	M4	4.5	38.3	7.3
24	40.9	38.8	4	23.4	35.3	34.9	44.5	M4	4.5	41.8	6.85
28	46.7	39.1	4	24.4	41.5	39.7	50.8	M5	5.5	47.6	7.8
32	53.4	38.4	4	24.4	47.8	44.5	57	M5	5.5	54.3	7.5
36	59.6	39.9	4	24.4	52.6	49.2	63.5	M5	5.5	60.5	7.5
40	65.5	38.5	4	24.4	59.2	55.6	69.8	M5	5.5	66.4	7.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	03		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
03	Shell Type	03	Rear mounting receptacle connector unable to accept rear accessories
		03A	Rear mounting receptacle connector non enviromental (equivalent MS3103A..B bayonet version)
		03R	Rear mounting receptacle connector enviromental seal (unable to accept rear accessories)
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
		DS	PCB contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP54)
N	Modification Code**	N S	Consult our sales office

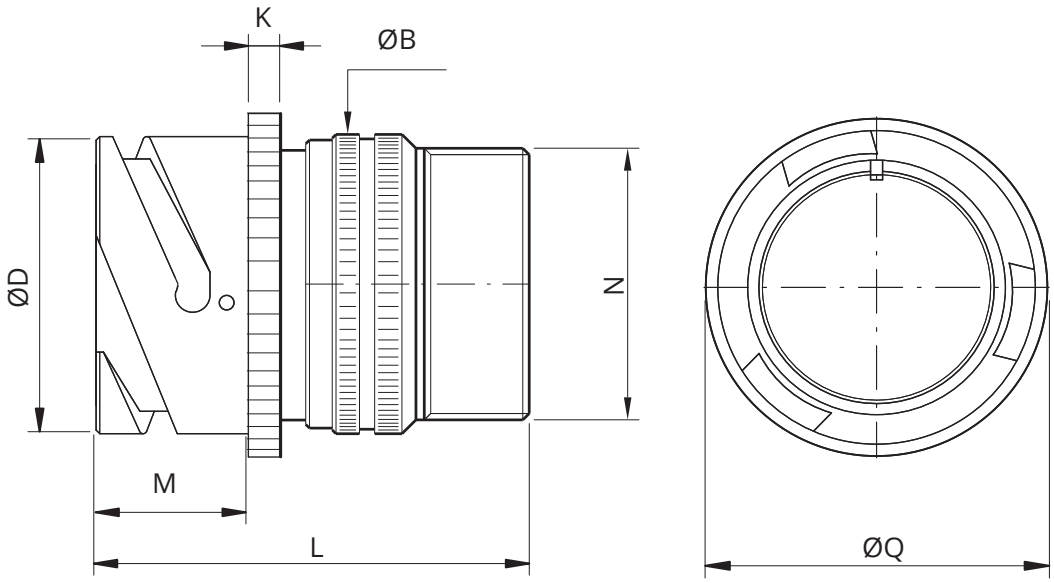
P/N Sample: RF CVB 03T 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (A - DA - RA)

Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



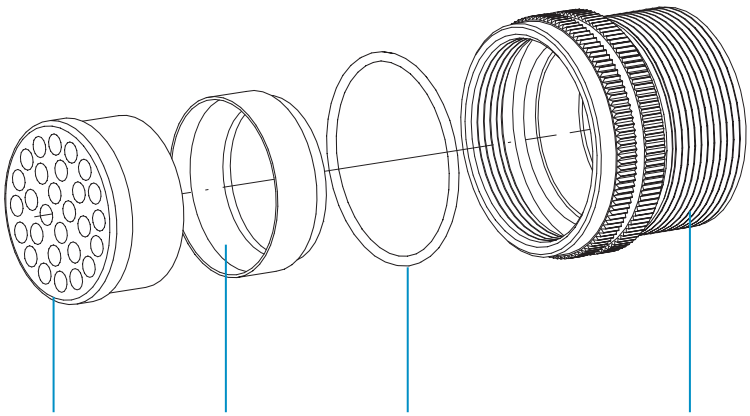
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	N Backshell Thread in inches
10SL	18.2	22	20	41	2.8	14.2	5/8"-24 UNEF
14S	24.6	29	24	42.5	3.2	14.5	3/4"-20 UNEF
16S	27.4	31	27	42.5	3.2	14.2	7/8"-20 UNEF
16	27.4	31	27	50	3.2	19	7/8"-20 UNEF
18	30.8	34	30	52	4	19	1"-20 UNEF
20	34.2	37	32	51	4	19	1" 3/16-18 UNEF
22	37.4	40	37	54	4	19.7	1" 3/16-18 UNEF
24	40.9	44	40	54	4	20.6	1" 7/16-18 UNEF
28	46.7	49.5	45	62	4	20.6	1" 7/16-18 UNEF
32	53.4	56	52	63	4	22.2	1" 3/4-18 UNS
36	59.6	62.5	58	63	4	22.2	2"-18 UNS
40	65.5	68.5	63.2	63	4	22.2	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	01	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N S	Consult our sales office

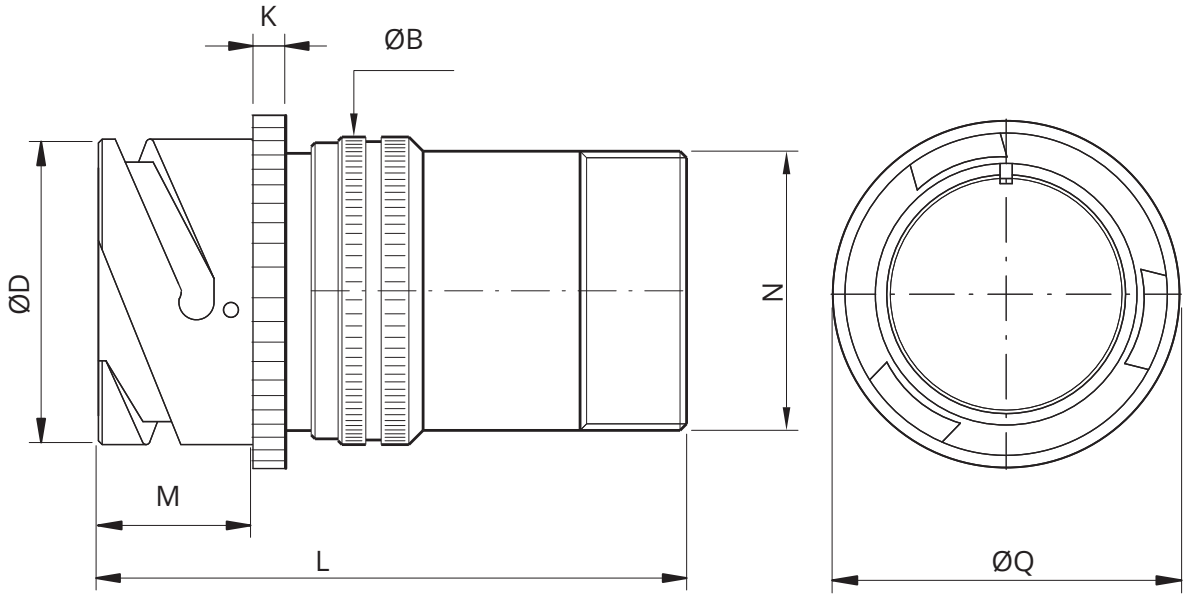
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 01DAT 20-27SX CR CD5 F7 N

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (LA - LDA - LRA)

Connector with long backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



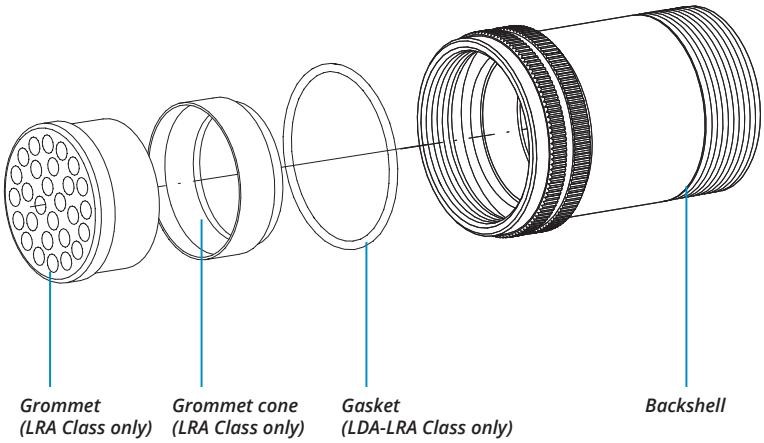
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	N Backshell Thread in inches
10SL	18.2	22	20	67	2.8	14.2	5/8"-24 UNEF
14S	24.6	29	24	67	3.2	14.5	3/4"-20 UNEF
16S	27.4	31	27	67	3.2	14.2	7/8"-20 UNEF
16	27.4	31	27	77	3.2	19	7/8"-20 UNEF
18	30.8	34	30	77.5	4	19	1"-20 UNEF
20	34.2	37	32	78	4	19	1" 3/16-18 UNEF
22	37.4	40	37	79	4	19.7	1" 3/16-18 UNEF
24	40.9	44	40	81	4	20.6	1" 7/16-18 UNEF
28	46.7	49.5	45	81	4	20.6	1" 7/16-18 UNEF
32	53.4	56	52	95.5	4	22.2	1" 3/4-18 UNS
36	59.6	62.5	58	95.5	4	22.2	2"-18 UNS
40	65.5	68.5	63.2	95.5	4	22.2	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	01	LDA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
01	Shell Type	01	In-line receptacle
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

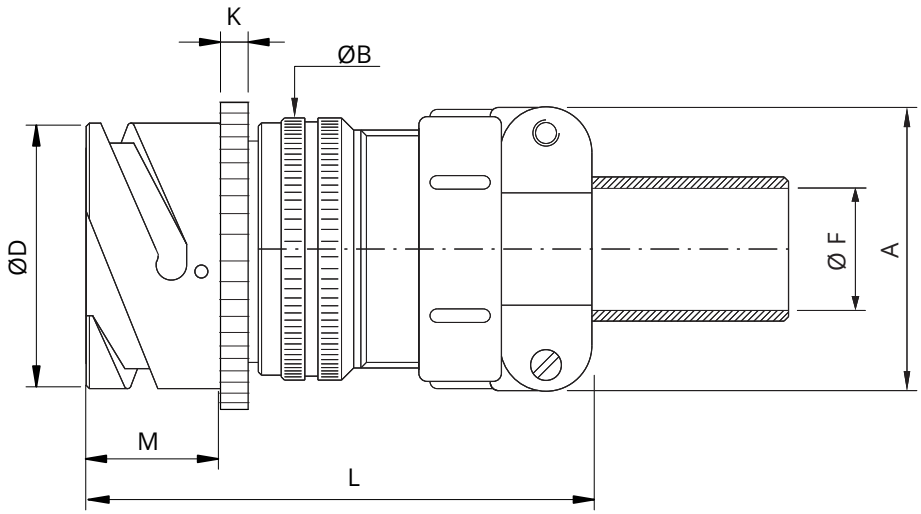
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529* *(*) RoHS compliance* *(**) If required*

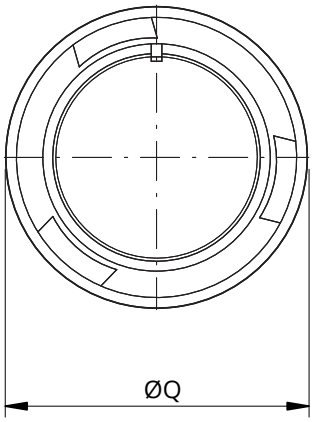
P/N Sample: RF CVB 01LDAT 20-27SX CR CD5 F7 N

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)





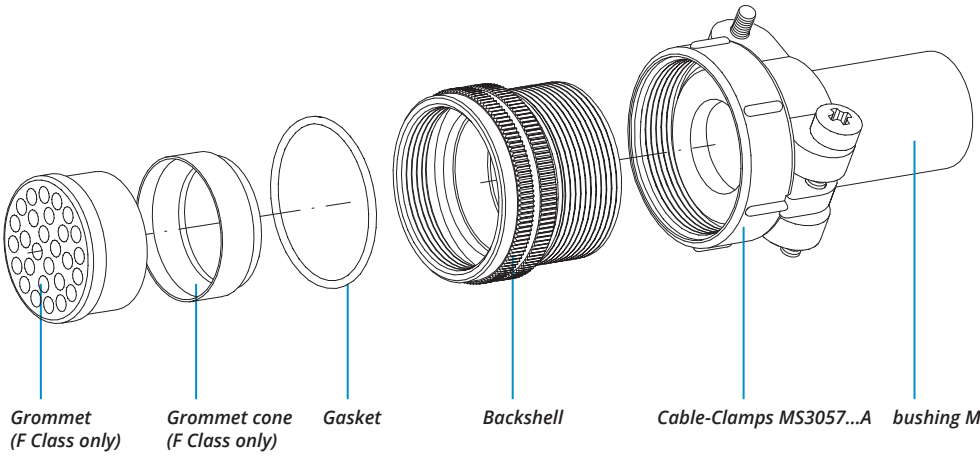
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable max dimension
10SL	18.2	22	20	51	2.8	14.2	22.5	5.6
14S	24.6	29	24	54.5	3.2	14.5	28	7.9
16S	27.4	31	27	56	3.2	14.2	30	11
16	27.4	31	27	63.5	3.2	19	30	11
18	30.8	34	30	66.5	4	19	31.7	14.2
20	34.2	37	32	66.5	4	19	37.5	15.8
22	37.4	40	37	69.5	4	19.7	37.5	15.8
24	40.9	44	40	69.5	4	20.6	43.5	19
28	46.7	49.5	45	77.5	4	20.6	43.5	19
32	53.4	56	52	78.5	4	22.2	51.7	23.8
36	59.6	62.5	58	78.5	4	22.2	58.5	31.7
40	65.5	68.5	63.2	92	4	22.2	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AF	Connector Class	F	with waterproof O-ring and grommet (IP54)
		AF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 01AFT 20-27SX CR CD5 F7 N

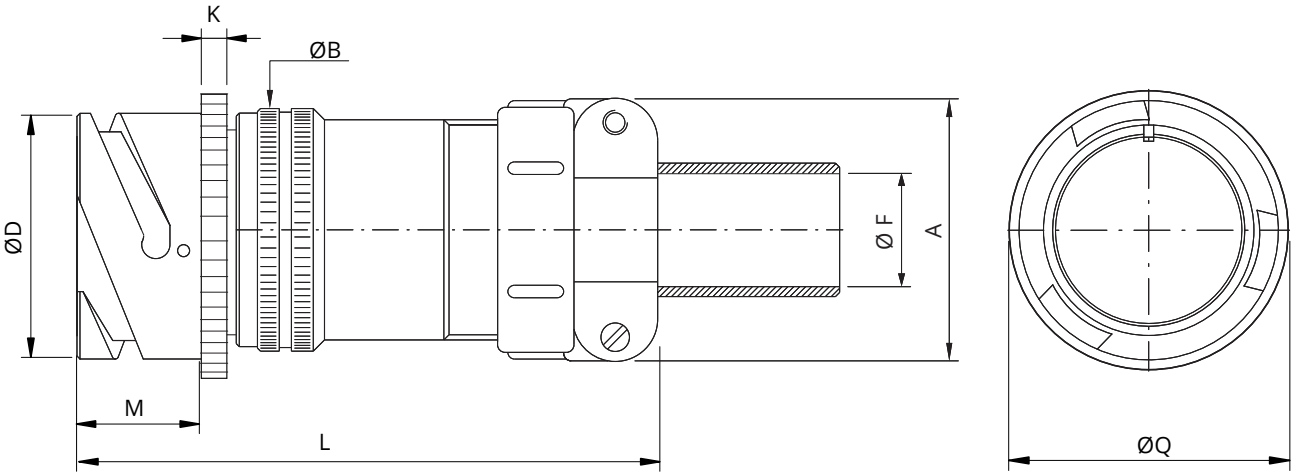
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



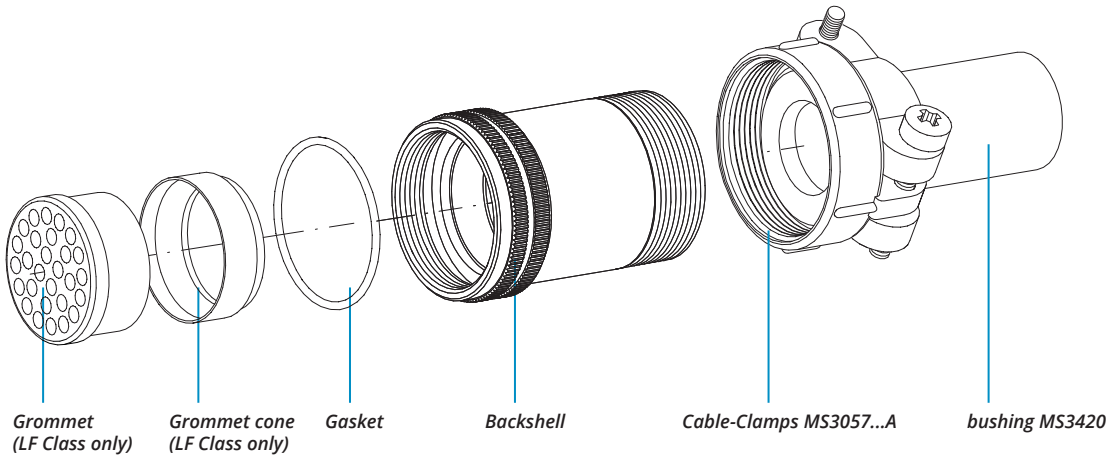
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable max dimension
10SL	18.2	22	20	77	2.8	14.2	22.5	5.6
14S	24.6	29	24	79	3.2	14.5	28	7.9
16S	27.4	31	27	80.5	3.2	14.2	30	11
16	27.4	31	27	90.5	3.2	19	30	11
18	30.8	34	30	93	4	19	31.7	14.2
20	34.2	37	32	93.5	4	19	37.5	15.8
22	37.4	40	37	94.5	4	19.7	37.5	15.8
24	40.9	44	40	96.5	4	20.6	43.5	19
28	46.7	49.5	45	96.5	4	20.6	43.5	19
32	53.4	56	52	111	4	22.2	51.7	23.8
36	59.6	62.5	58	111	4	22.2	58.5	31.7
40	65.5	68.5	63.2	124.5	4	22.2	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	LAF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
LAF	Connector Class	LF	with waterproof O-ring and grommet (IP54)
		LAF	with waterproof O-ring (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 01LAFT 20-27SX CR CD5 F7 N

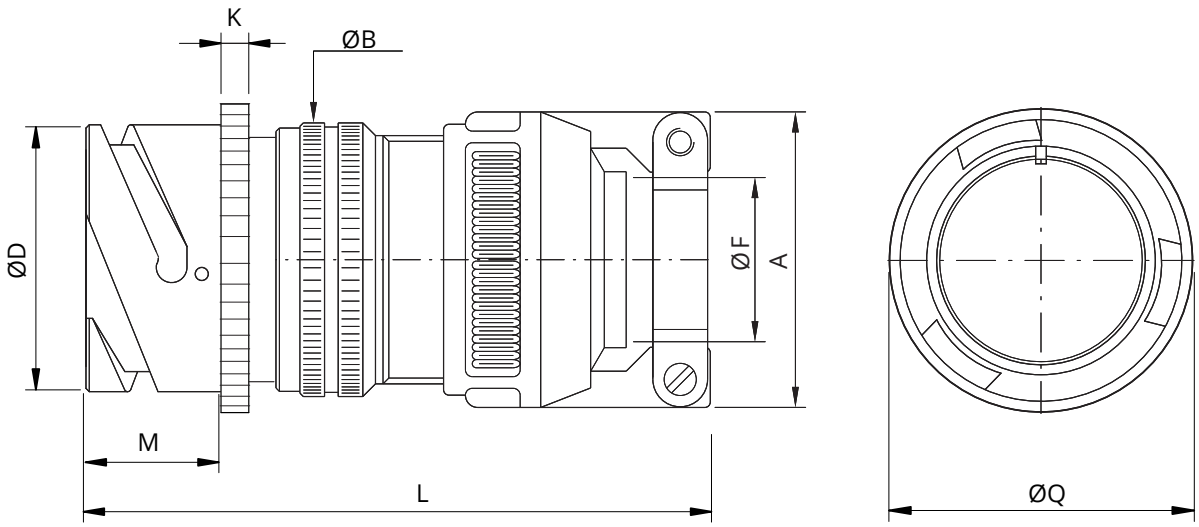
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



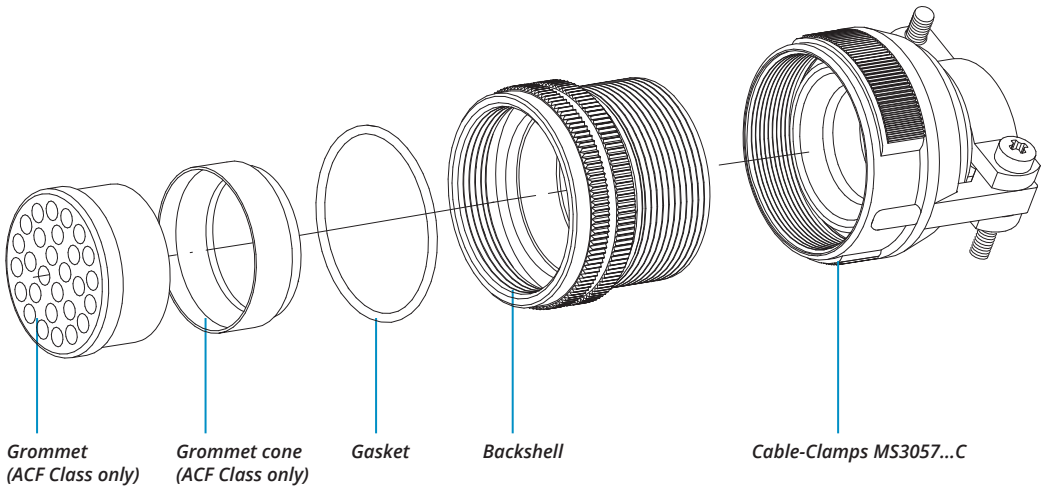
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable dimension	
								Min	Max
10SL	18.2	22	20	65	2.8	14.2	23	2.4	7.9
14S	24.6	29	24	66.5	3.2	14.5	26	5.8	11.2
16S	27.4	31	27	67.5	3.2	14.2	28.5	8	13.5
16	27.4	31	27	75	3.2	19	28.5	8	13.5
18	30.8	34	30	78.5	4	19	32	9.6	15.9
20	34.2	37	32	77.5	4	19	37.5	11.3	19
22	37.4	40	37	80.5	4	19.7	37.5	11.3	19
24	40.9	44	40	87.5	4	20.6	43.5	15.5	23.8
28	46.7	49.5	45	95.5	4	20.6	43.5	15.5	23.8
32	53.4	56	52	101	4	22.2	54	23.4	31.8
36	59.6	62.5	58	105.5	4	22.2	58	25.4	35
40	65.5	68.5	63.2	107	4	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	AC	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AC	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 01ACT 20-27SX CR CD5 F7 N

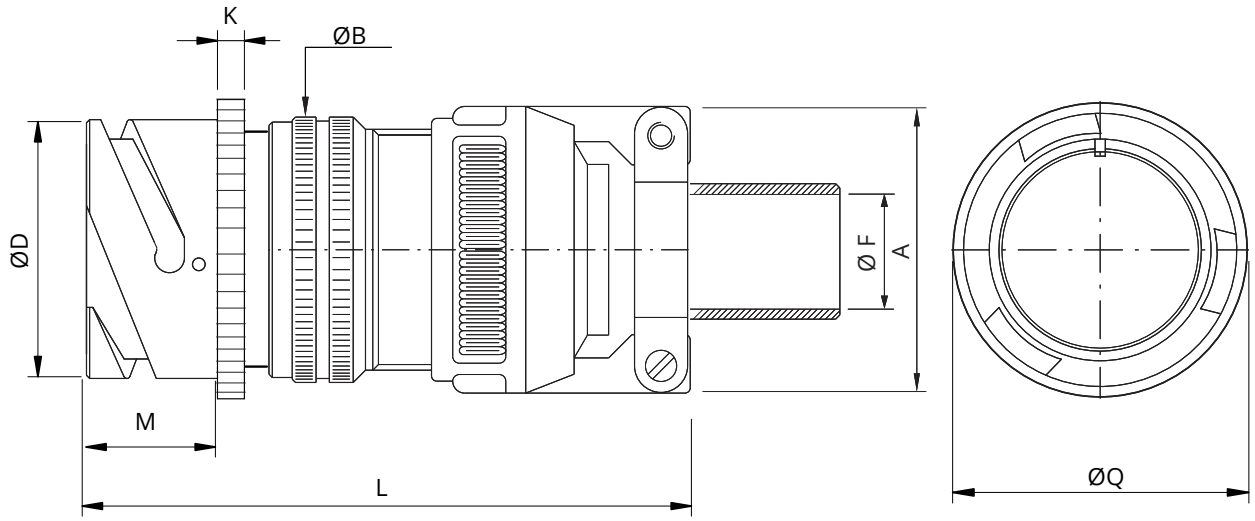
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



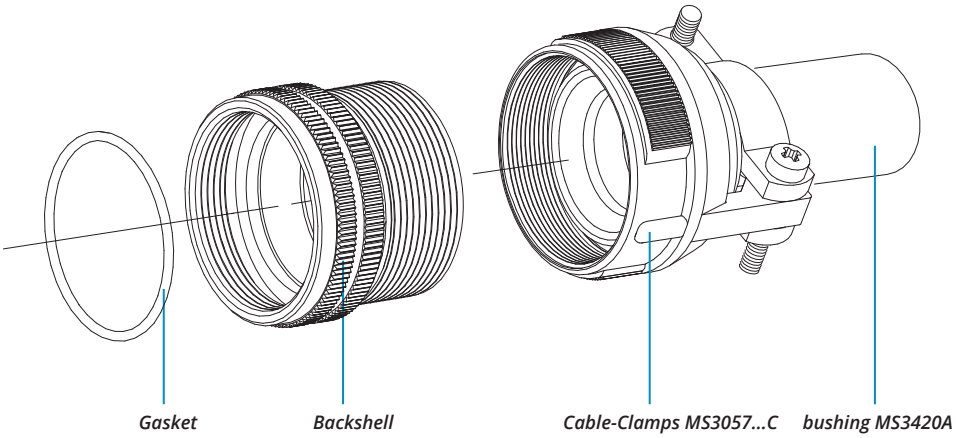
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF max cable size
10SL	18.2	22	20	65	2.8	14.2	23	5.6
14S	24.6	29	24	66.5	3.2	14.5	26	7.9
16S	27.4	31	27	67.5	3.2	14.2	28.5	11.1
16	27.4	31	27	75	3.2	19	28.5	11.1
18	30.8	34	30	78.5	4	19	32	11.1
20	34.2	37	32	77.5	4	19	37.5	13.7
22	37.4	40	37	80.5	4	19.7	37.5	13.7
24	40.9	44	40	87.5	4	20.6	43.5	19
28	46.7	49.5	45	95.5	4	20.6	43.5	19
32	53.4	56	52	101	4	22.2	54	23.8
36	59.6	62.5	58	105.5	4	22.2	58	28.5
40	65.5	68.5	63.2	107	4	22.2	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 01ACBT 20-27SX CR CD5 F7 N

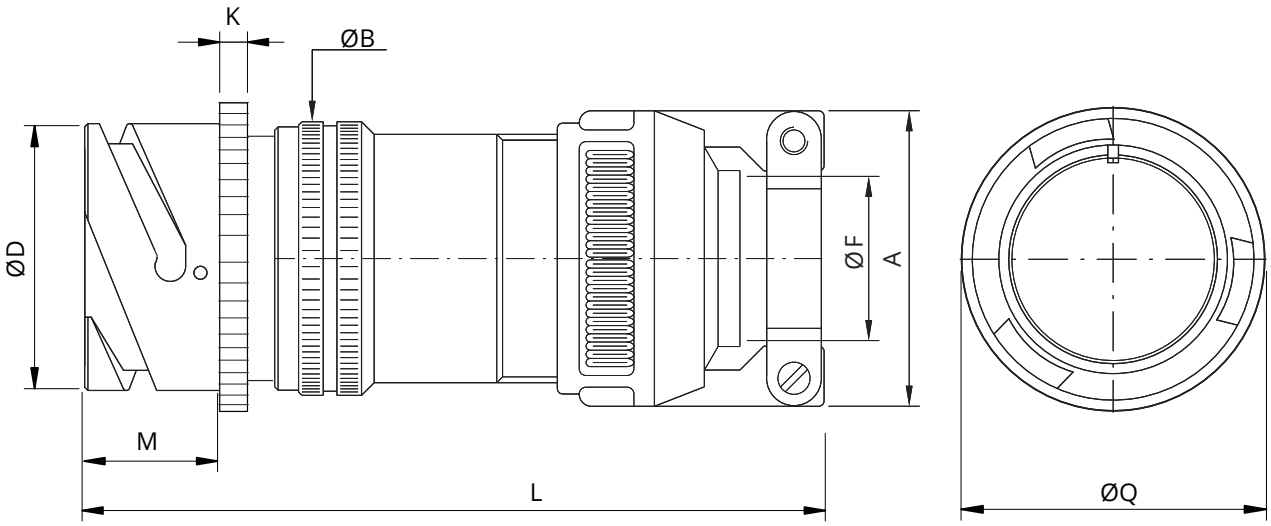
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



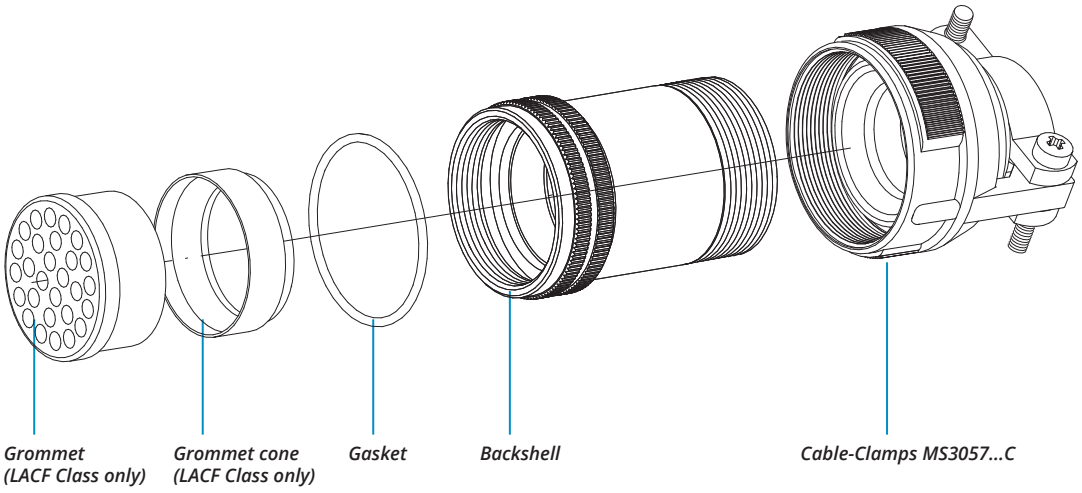
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable dimension	
								Min	Max
10SL	18.2	22	20	91	2.8	14.2	23	2.4	7.9
14S	24.6	29	24	91	3.2	14.5	26	5.8	11.2
16S	27.4	31	27	92	3.2	14.2	28.5	8	13.5
16	27.4	31	27	102	3.2	19	28.5	8	13.5
18	30.8	34	30	105	4	19	32	9.6	15.9
20	34.2	37	32	105	4	19	37.5	11.3	19
22	37.4	40	37	106	4	19.7	37.5	11.3	19
24	40.9	44	40	114.5	4	20.6	43.5	15.5	23.8
28	46.7	49.5	45	114.5	4	20.6	43.5	15.5	23.8
32	53.4	56	52	133.5	4	22.2	54	23.4	31.8
36	59.6	62.5	58	138	4	22.2	58	25.4	35
40	65.5	68.5	63.2	139.5	4	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	LAC	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
LAC	Connector Class	LAC	with waterproof O-ring (IP67)
		LACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 01LACT 20-27SX CR CD5 F7 N

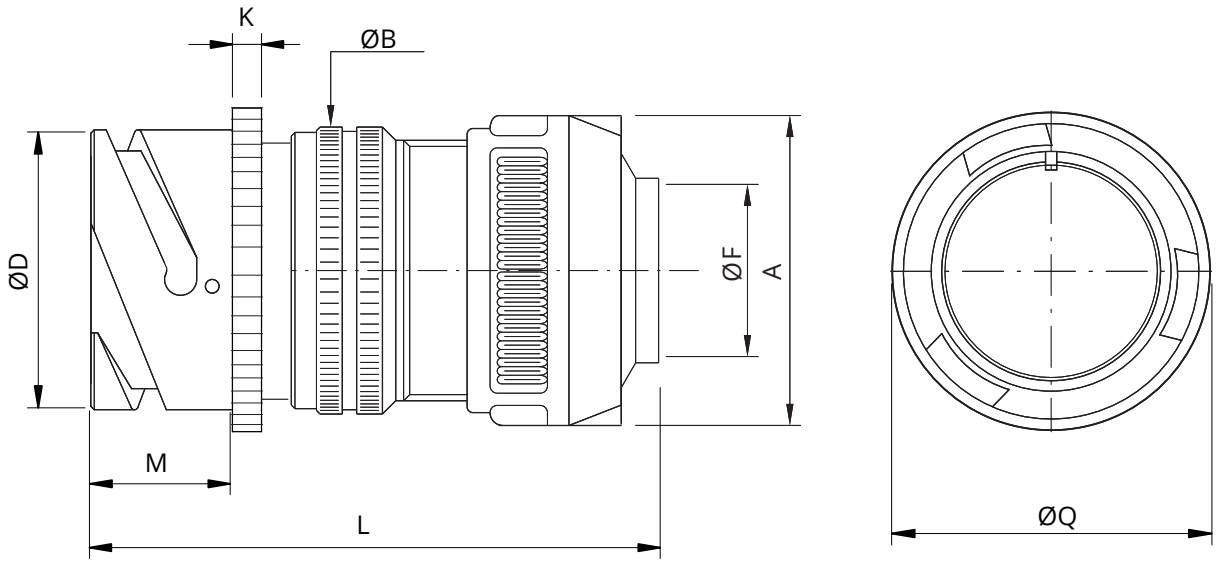
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AB)

Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



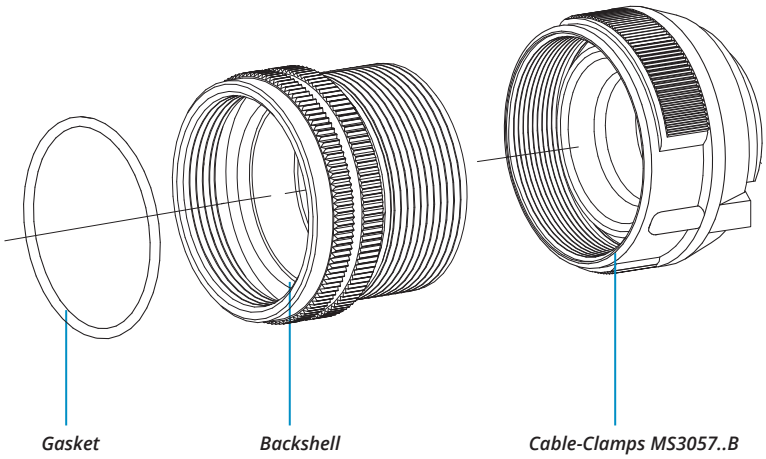
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable dimension	
								Min	Max
10SL	18.2	22	20	48.4	2.8	14.2	23	2.4	7.9
14S	24.6	29	24	56.1	3.2	14.5	26	5.8	11.2
16S	27.4	31	27	57.3	3.2	14.2	28.5	8	13.5
16	27.4	31	27	63.3	3.2	19	28.5	8	13.5
18	30.8	34	30	68	4	19	32	9.6	15.9
20	34.2	37	32	69.2	4	19	37.5	11.3	19
22	37.4	40	37	71.2	4	19.7	37.5	11.3	19
24	40.9	44	40	76.3	4	20.6	43.5	15.5	23.8
28	46.7	49.5	45	83.3	4	20.6	43.5	15.5	23.8
32	53.4	56	52	85.1	4	22.2	54	23.4	31.8
36	59.6	62.5	58	88.2	4	22.2	58	25.4	35
40	65.5	68.5	63.2	91.5	4	22.2	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	AB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AB	Connector Class	AB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 01ABT 20-27SX CR CD5 F7 N

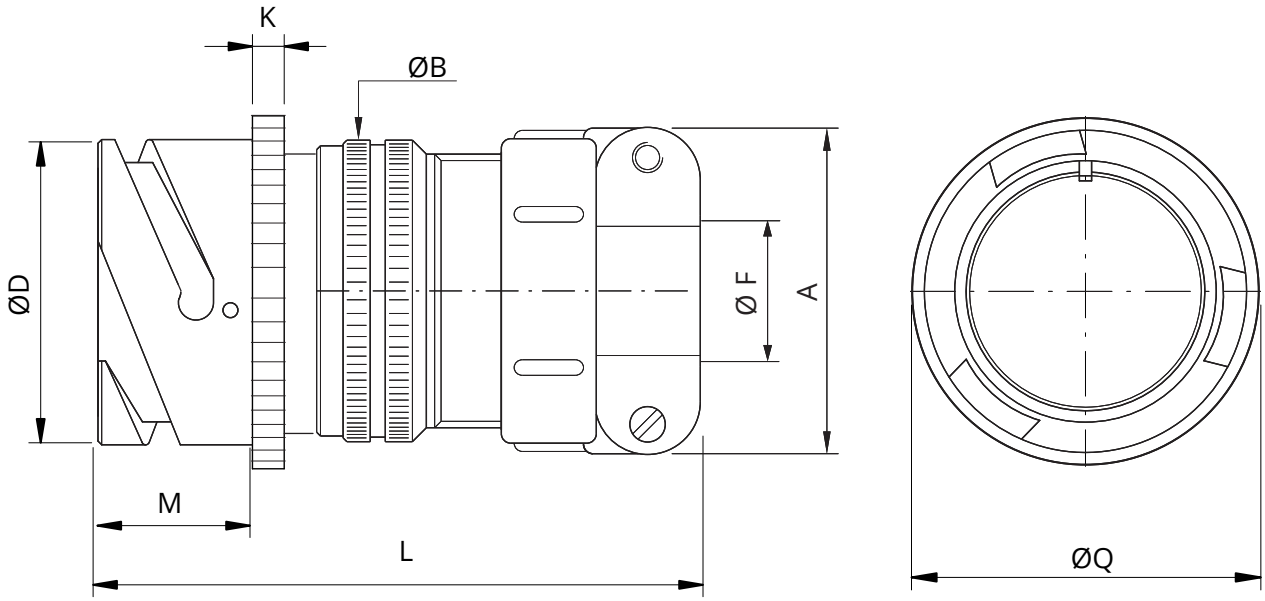
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AS - ASF)

Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



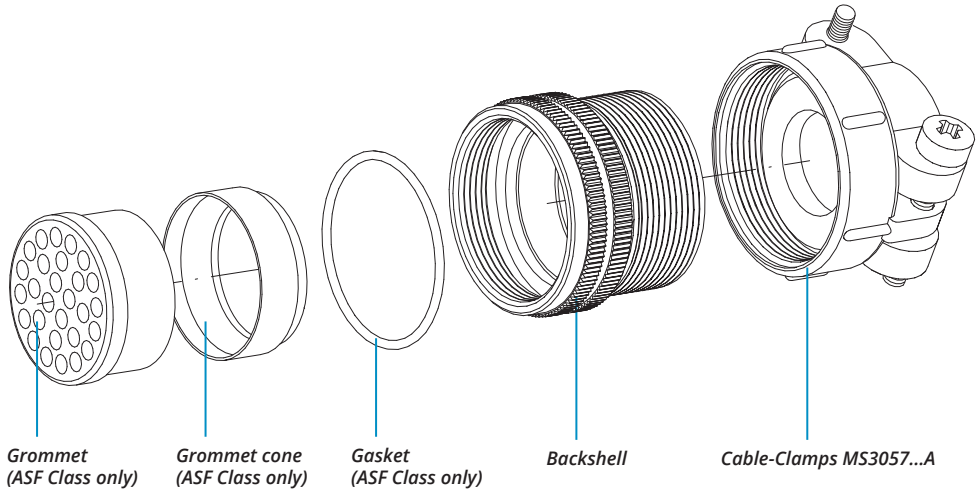
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	A max	ØF cable max dimension
10SL	18.2	22	20	51	2.8	14.2	22.5	8
14S	24.6	29	24	54.5	3.2	14.5	28	11
16S	27.4	31	27	56	3.2	14.2	30	14.2
16	27.4	31	27	63.5	3.2	19	30	14.2
18	30.8	34	30	66.5	4	19	31.7	15.8
20	34.2	37	32	66.5	4	19	37.5	19
22	37.4	40	37	69.5	4	19.7	37.5	19
24	40.9	44	40	69.5	4	20.6	43.5	23.8
28	46.7	49.5	45	77.5	4	20.6	43.5	23.8
32	53.4	56	52	78.5	4	22.2	51.7	31.7
36	59.6	62.5	58	78.5	4	22.2	58.5	35
40	65.5	68.5	63.2	92	4	22.2	68.5	41.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	AS	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AS	Connector Class	AS	Non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 01AST 20-27SX CR CD5 F7 N

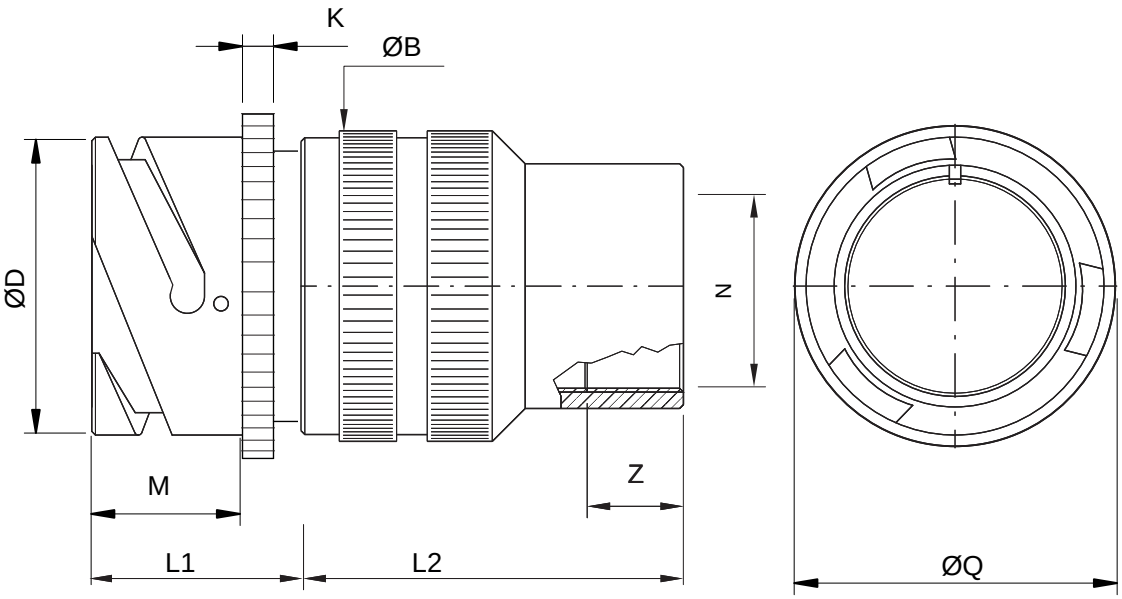
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (DA...M - RA...M - DA...PG - RA...PG)

Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	M ±0.2	K ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG
10SL	18.2	22	20	14.2	2.8	8	18,2	M12 - M16	32	(PG9) - PG13.5	26
14S	24.6	29	24	14.5	3.2	9	19,3	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30
16S	27.4	31	27	14.2	3.2	9	18,5	(M16) - M20	40	PG13.5 - (PG16)	38
16	27.4	31	27	19	3.2	9	22,6	M20	45	PG16	40
18	30.8	34	30	19	4	9	24	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50
20	34.2	37	32	19	4	9	23,1	(M12)- M20	50	PG11 - PG13.5 - PG16	50
22	37.4	40	37	19.7	4	10	23	M25 - M32	50	PG21	50
24	40.9	44	40	20.6	4	10	25,7	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50
28	46.7	49.5	45	20.6	4	10	26,1	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60
32	53.4	56	52	22.2	4	10	27,9	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60
36	59.6	62.5	58	22.2	4	13	28,7	M40 - M50	56	PG29 - (PG36) - (PG42)	65
40	65.5	68.5	63.2	22.2	4	13	28	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65

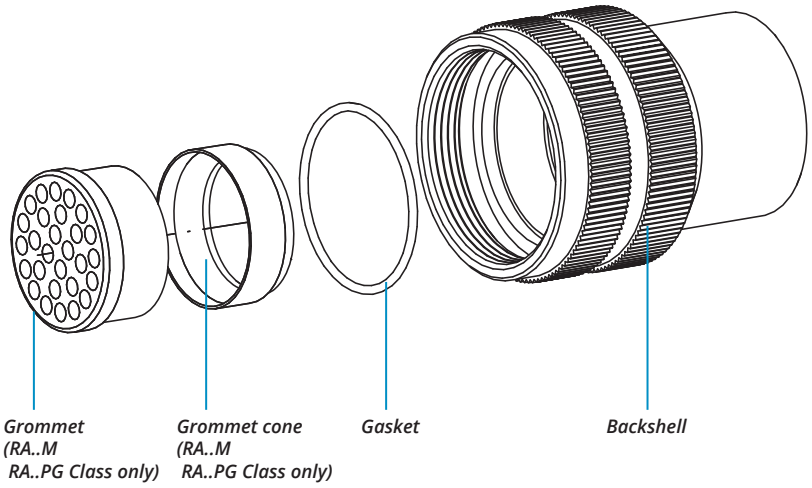
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVB - Bayonet Connector

RF	CVB	303	01	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

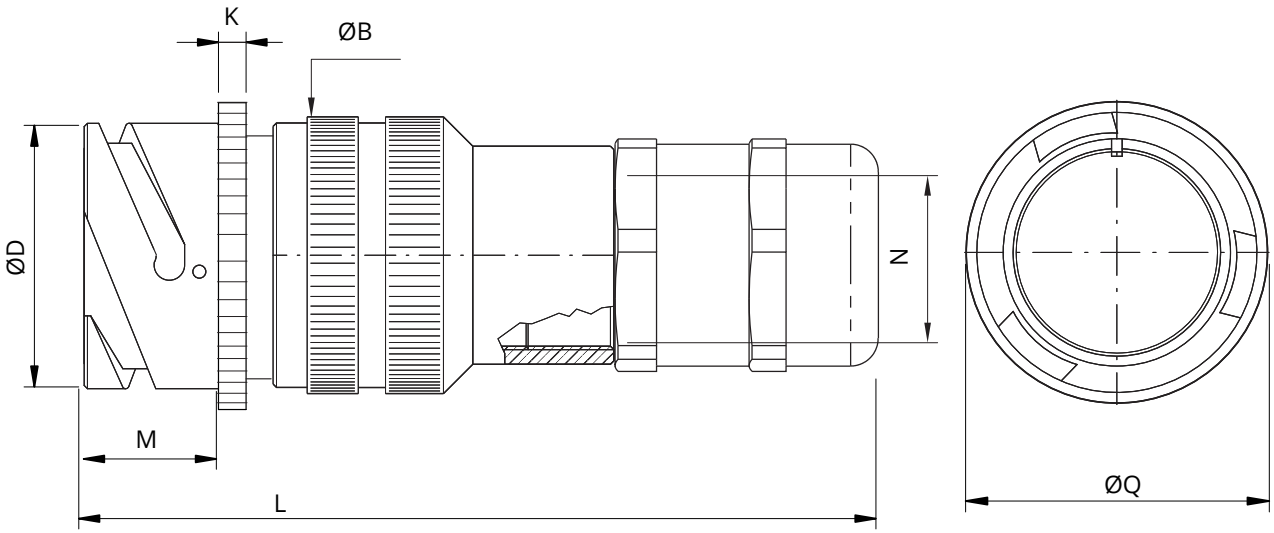
**** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required*

P/N Sample: RF CVB 01DAT 20-27SX M12 CR CD5 F7 N

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (DA...MH - RA...MH - DA...PH - RA...PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



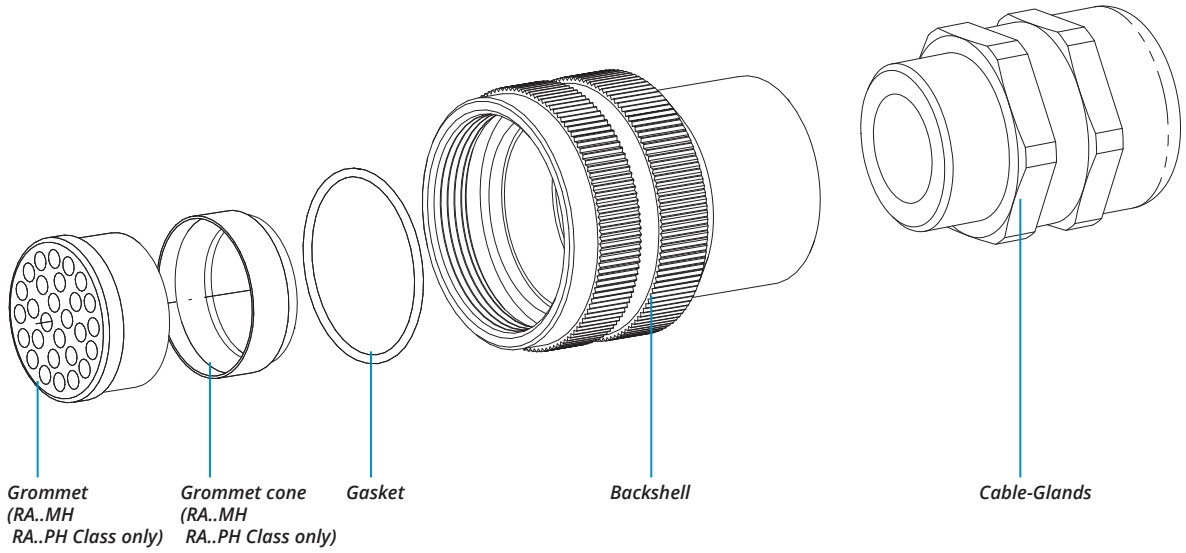
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L max	K ±0.2	M ±0.2	Backshell Metric Thread	ØN Clamping range
10SL	18.2	22	20	87	2.8	14.2	M12	3.5-7
14S	24.6	29	24	93	3.2	14.5	M16	4.5-10
16S	27.4	31	27	96.5	3.2	14.2	M20	7-13
16	27.4	31	27	103.5	3.2	19	M20	7-13
18	30.8	34	30	103.5	4	19	M20	7-13
20	34.2	37	32	104.5	4	19	M25	9-17
22	37.4	40	37	110.5	4	19.7	M32	11-21
24	40.9	44	40	112.5	4	20.6	M32	11-21
28	46.7	49.5	45	122.5	4	20.6	M32	11-21
32	53.4	56	52	127	4	22.2	M40	19-28
36	59.6	62.5	58	132	4	22.2	M40	19-28
40	65.5	68.5	63.2	138	4	22.2	M40	19-28

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	01	DA	T	20-27	S	X	MH12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
01	Shell Type	01	In-line receptacle
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands***
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

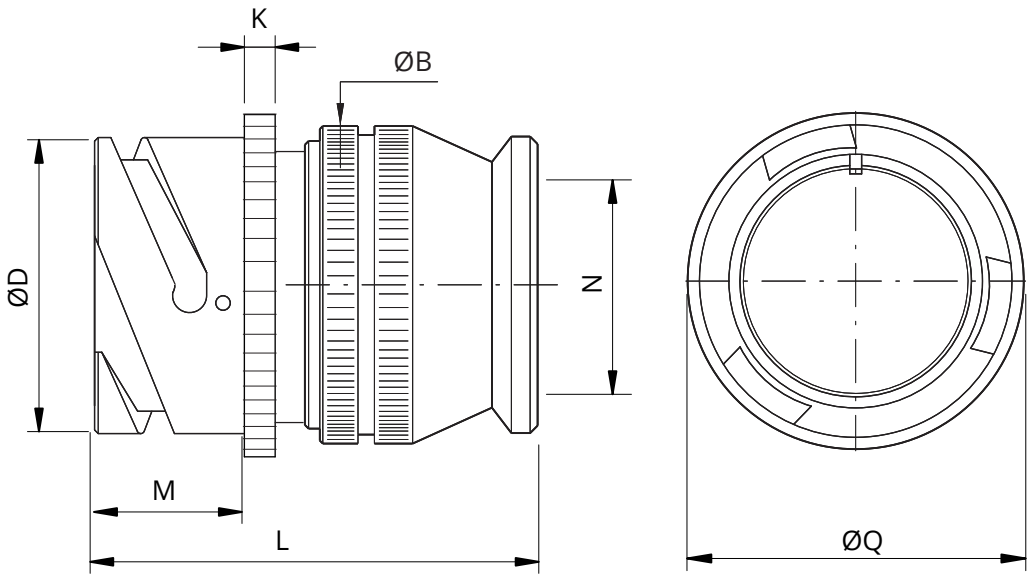
P/N Sample: RF CVB 01DAT 20-27SX MH12 CR CD5 F7 N

*(*) RoHS compliance (**) If required *** Consult our sales office*

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AR - R)

This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



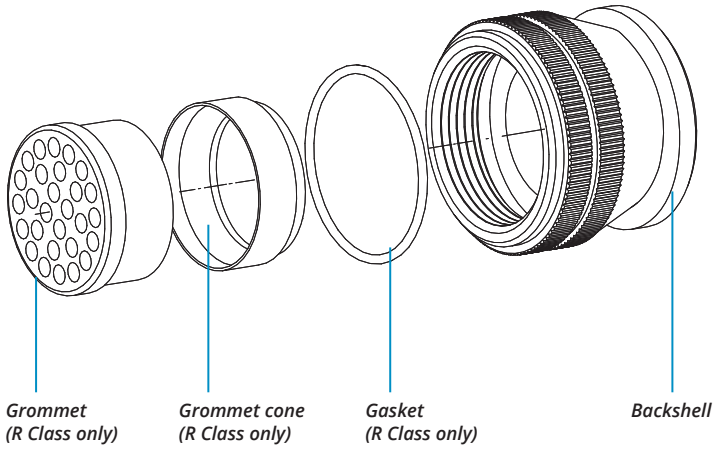
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	L	K ±0.2	M ±0.2	N max cable dimension
10SL	18.2	22	20	41	2.8	14.2	10
14S	24.6	29	24	42	3.2	14.5	13.5
16S	27.4	31	27	42	3.2	14.2	16.1
16	27.4	31	27	49	3.2	19	16.5
18	30.8	34	30	50	4	19	19
20	34.2	37	32	50	4	19	22.2
22	37.4	40	37	53	4	19.7	24.5
24	40.9	44	40	53	4	20.6	28
28	46.7	49.5	45	61	4	20.6	32.6
32	53.4	56	52	62	4	22.2	38
36	59.6	62.5	58	62	4	22.2	45
40	65.5	68.5	63.2	62	4	22.2	51.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	01	R	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
01	**Shell Type**	01	In-line receptacle
R	**Connector Class**	AR	non watertight
		R	with waterproof O-ring and grommet
T	**Connector Modification****	T	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	**Modification Code****	N	Consult our sales office
		S	

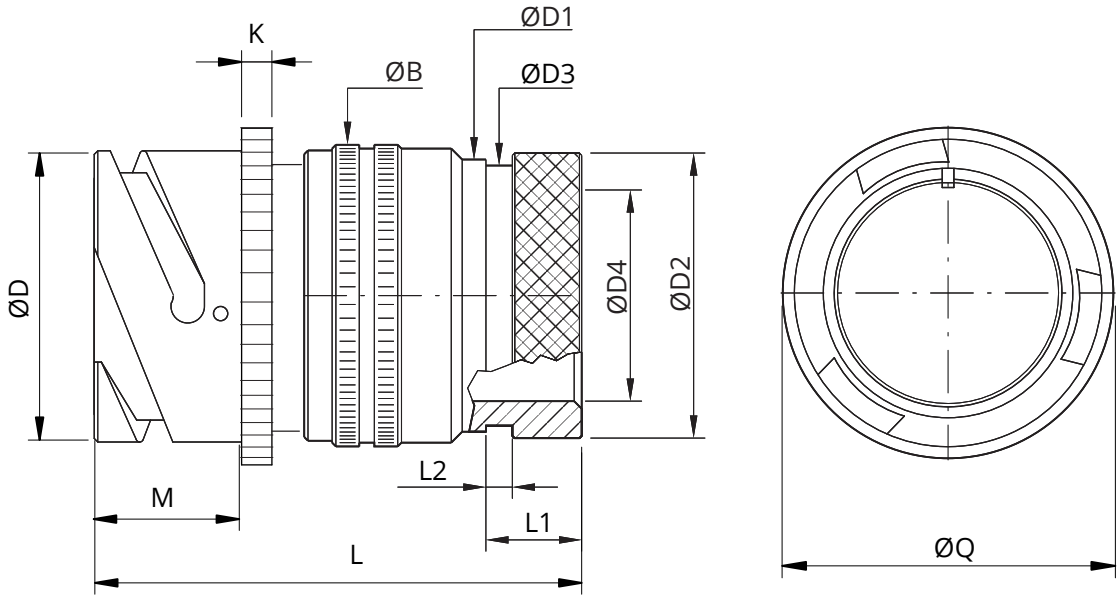
P/N Sample: RF CVB 01RT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

In-Line Receptacle (01) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



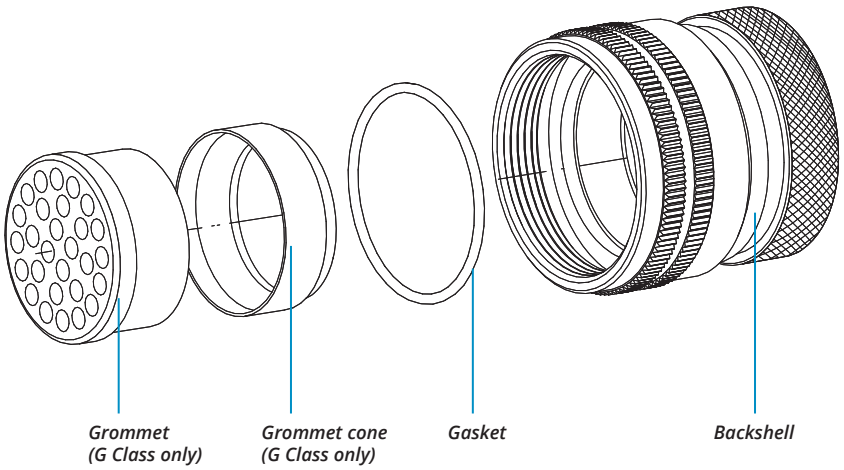
Shell size	ØD +0 -0.15	ØQ Max	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2	K ±0.2	M ±0.2
10SL	18.2	22	20	17	15.5	13.3	7.9	48	11.7	3.5	2.8	14.2
14S	24.6	29	24	20.1	19.1	17	13.5	48	11.7	3.5	3.2	14.5
16S	27.4	31	27	23.5	23.9	21.9	13.7	48	11.7	3.5	3.2	14.2
16	27.4	31	27	23.5	23.9	21.9	16.1	60	11.5	3.5	3.2	19
18	30.8	34	30	26.5	23.9	21.9	19	65	11.5	3.5	4	19
20	34.2	37	32	30.2	29.6	26.2	22.2	65	12.4	3.5	4	19
22	37.4	40	37	33.6	29.6	26.2	22	65	12.7	3.5	4	19.7
24	40.9	44	40	36.1	37.8	34.5	28	65	12.7	3.5	4	20.6
28	46.7	49.5	45	41.4	37.8	34.5	29	65	12.7	3.5	4	20.6
32	53.4	56	52	50	47.8	43.4	35.2	70	15.2	3.5	4	22.2
36	59.6	62.5	58	56	47.7	43.4	40	75	15.2	3.5	4	22.2
40	65.5	68.5	63.2	62.4	57.6	52.4	48	77	15.2	3.5	4	22.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		01	AG	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
01	Shell Type	01	In-line receptacle
AG	Connector Class	AG	with waterproof O-ring (IP67***)
		G	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

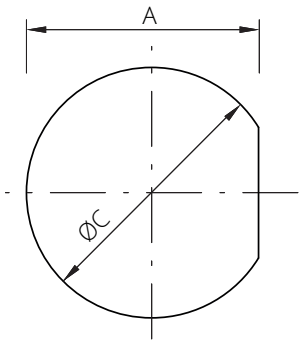
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 01AGT 20-27SX CR CD5 F7 N

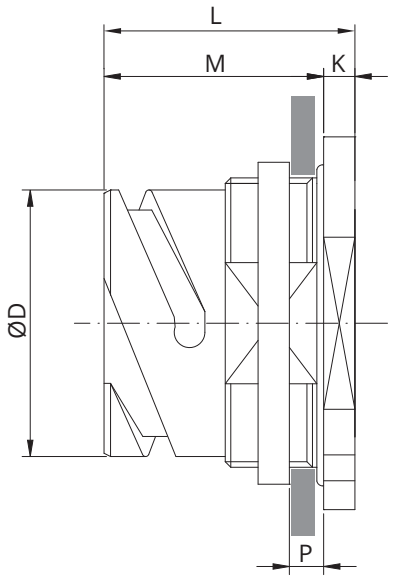
CVB - Bayonet Connector

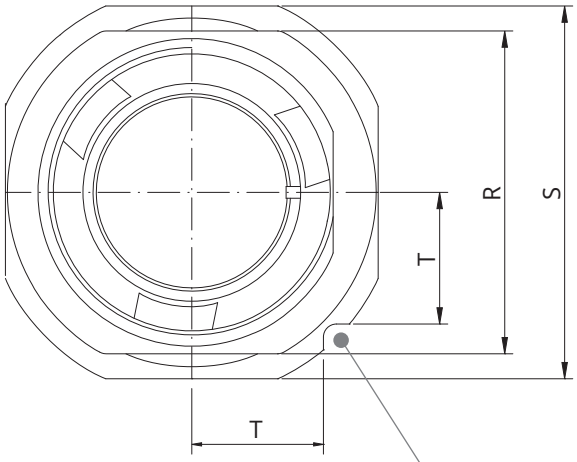
Rear Mounting Receptacle (07/07R) unable to accept Rear Accessories

Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.



Panel cut out





If required the nut can be lock with optional screws

Shell size	ØD	K ±0.1	M ±0.2	L	R ±0.1	S ±0.25	T ±0.1	P Panel Thickness		ØC - 0 + 0.25	A ±0.2
								Min	Max		
10SL**	18.2	4	24.5	28.5	27	31.8	11.2	2.4	5.2	22.4	21
14S	24.6	4.8	26.8	31.6	33	41.3	14.6	2.4	7.5	28.75	27.4
16S	27.4	4.8	26.8	31.6	38	44.4	15.7	2.4	7.5	31.95	30.95
16**	27.4	4.8	32.1	36.9	38	44.4	15.7	2.4	7.5	31.95	30.95
18	30.8	4.8	33.7	38.5	39.7	47.6	16.8	2.4	9	35.1	33.75
20	34.2	4.8	33.7	38.5	44	50.8	18	2.4	8.1	38.3	36.85
22	37.4	4.8	33.7	38.5	46	54.2	20.2	2.4	9.1	41.45	40.05
24	40.9	4.8	33.7	38.5	50.8	57.2	20.2	2.4	9.1	44.65	43.35
28	46.7	5.6	35.2	40.8	55	63.5	22.5	2.4	8.5	51	49.55
32	53.4	5.6	35.2	40.8	62	69.8	24.7	2.4	6.5	57.35	55.95
36	59.6	5.6	35.2	40.8	71	76.2	26.9	2.4	8.3	63.7	62.35
40	65.5	5.6	35.2	40.8	75	83.5	29.6	2.4	8.3	70.05	68.55

Dimensions in mm

*** On request (please consult our Sales Office)*

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	07		T	20-27	S	X		CR	CD5	F7	N
	Series Code	Shell Material	Shell Type									Shell finish	

RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	**CVB**	Bayonet Connector
303	**Shell Material**	**-**	Aluminum
		303	Stainless Steel
07	**Shell Type**	**07**	Rear mounting Receptacle, unable to accept rear accessories. Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.
		07R	Rear mounting Receptacle enviromental seal, unable to accept rear accessories. Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.
T	**Connector Modification****	**T**	With plastic caps
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	**Modification Code****	**N**	Consult our sales office
		S	

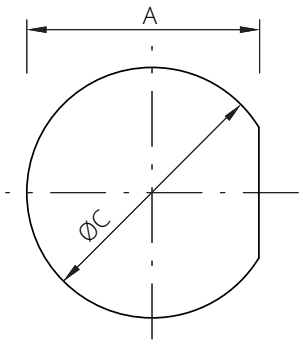
P/N Sample: RF CVB 07T 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

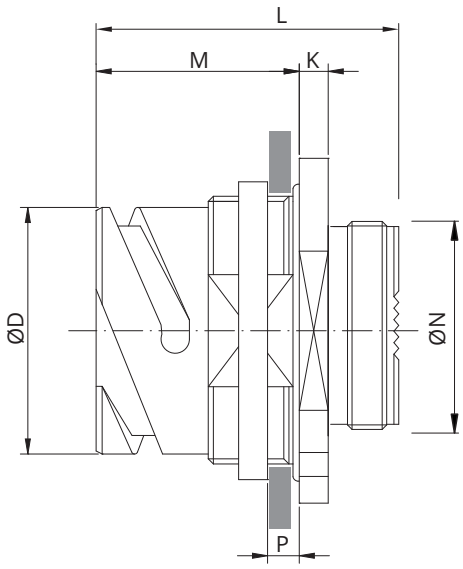
CVB - Bayonet Connector

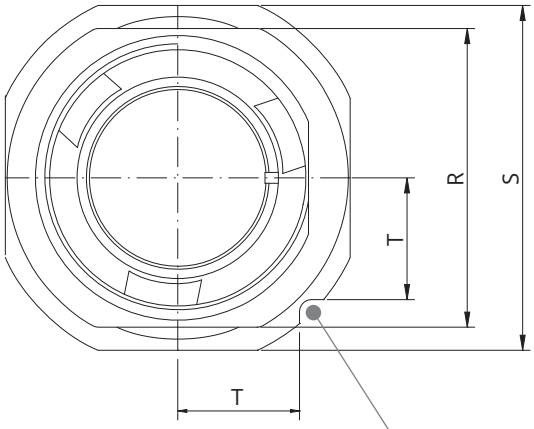
Rear Mounting Receptacle (070) without Accessories (To be purchased separately)

Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.



Panel cut out





If required the nut can be lock with optional screws

Shell size	ØD	K ±0.1	M ±0.2	L	N Backshell Thread in inches	R ±0.1	S ±0.25	T ±0.1	P Panel Thickness Min	P Panel Thickness Max	ØC - 0 + 0.25	A ±0.2
10SL**	18.2	4	24.5	36.2	5/8”-24 UNEF	27	31.8	11.2	2.4	5.2	22.4	21
14S	24.6	4.8	26.8	39.8	3/4”-20 UNEF	33	41.3	14.6	2.4	7.5	28.75	27.4
16S	27.4	4.8	26.8	40.1	7/8”-20 UNEF	38	44.4	15.7	2.4	7.5	31.95	30.95
16**	27.4	4.8	32.1	48.9	7/8”-20 UNEF	38	44.4	15.7	2.4	7.5	31.95	30.95
18	30.8	4.8	33.7	49.3	1”-20 UNEF	39.7	47.6	16.8	2.4	9	35.1	33.75
20	34.2	4.8	33.7	50.2	1” 1/8-18 UNEF	44	50.8	18	2.4	8.1	38.3	36.85
22	37.4	4.8	33.7	50.5	1” 1/4-18 UNEF	46	54.2	20.2	2.4	9.1	41.45	40.05
24	40.9	4.8	33.7	49.3	1” 3/8-18 UNEF	50.8	57.2	20.2	2.4	9.1	44.65	43.35
28	46.7	5.6	35.2	51.9	1” 5/8-18 UNEF	55	63.5	22.5	2.4	8.5	51	49.55
32	53.4	5.6	35.2	51.9	1” 7/8-16 UN	62	69.8	24.7	2.4	6.5	57.35	55.95
36	59.6	5.6	35.2	51.9	2” 1/16-16 UN	71	76.2	26.9	2.4	8.3	63.7	62.35
40	65.5	5.6	35.2	51.9	2” 5/16-16 UNS	75	83.5	29.6	2.4	8.3	70.05	68.55

Dimensions in mm

*** On request (please consult our Sales Office)*

Dimension “L” can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	070		T	20-27	S	X		CR	CD5	F7	N
	Series Code	Shell Material	Shell Type									Shell finish	

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
070	Shell Type	070	Rear mounting Receptacle, without accessories. Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N S	Consult our sales office

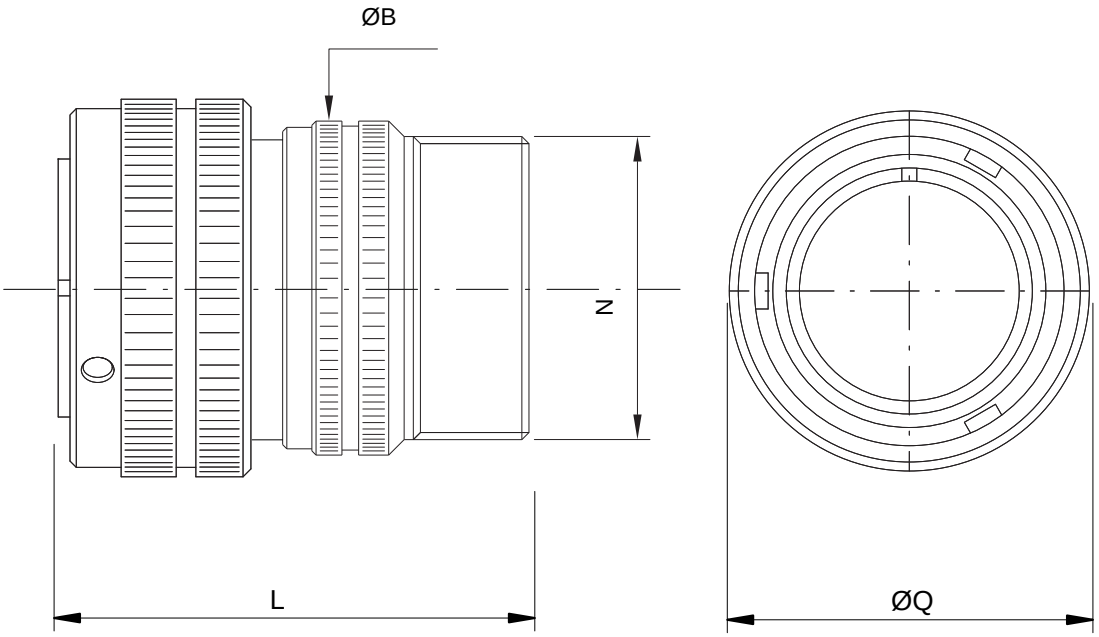
P/N Sample: RF CVB 070T 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (A - DA - RA)

Connector with backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



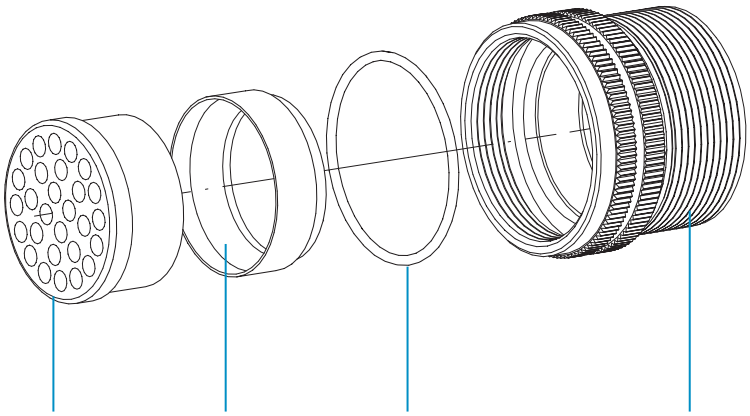
Shell size	ØQ ±0.2	ØB ±0.2	L max	N Backshell Thread in inches
10SL	23.3	20	36	5/8"-24 UNEF
14S	29.5	24	43	3/4"-20 UNEF
16S	33	27	43	7/8"-20 UNEF
16	33	27	49	7/8"-20 UNEF
18	37	30	52	1"-20 UNEF
20	41	32	52.5	1" 3/16-18 UNEF
22	43	37	55	1" 3/16-18 UNEF
24	48	40	55	1" 7/16-18 UNEF
28	53	45	62	1" 7/16-18 UNEF
32	60	52	62	1" 3/4-18 UNS
36	66.2	58	62	2"-18 UNS
40	72.4	63.8	64	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	06	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

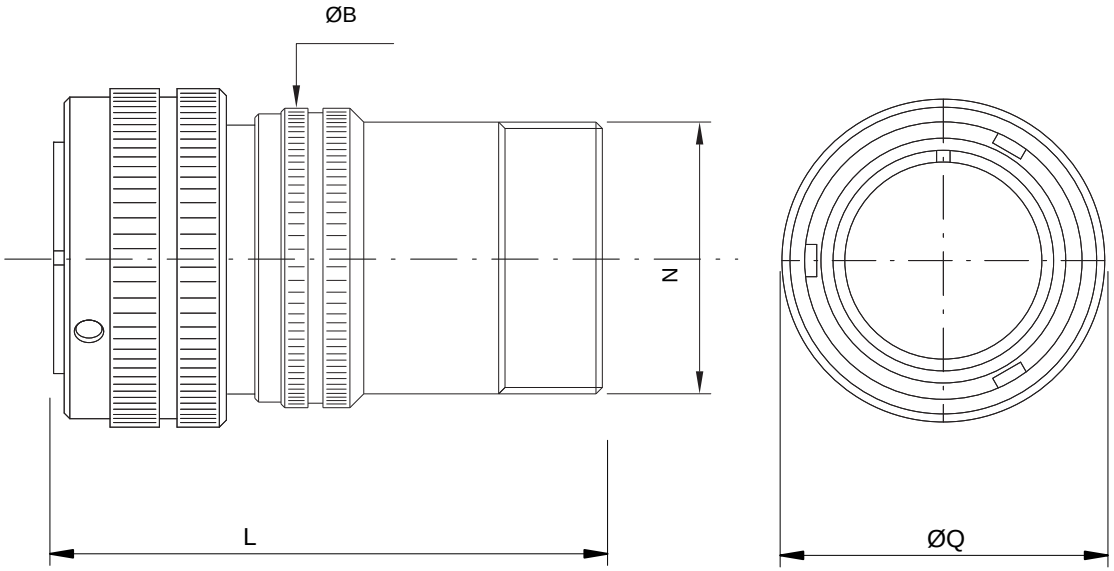
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 06DAT 20-27SX CR CD5 F7 N

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (LA - LDA - LRA)

Connector with Llong backshell provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



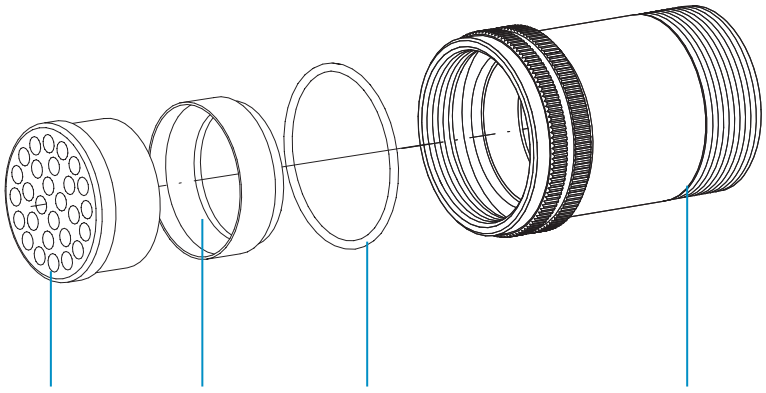
Shell size	ØQ ±0.2	ØB ±0.2	L max	N Backshell Thread in inches
10SL	23.3	20	68	5/8"-24 UNEF
14S	29.5	24	68	3/4"-20 UNEF
16S	33	27	68	7/8"-20 UNEF
16	33	27	78.5	7/8"-20 UNEF
18	37	30	78.5	1"-20 UNEF
20	41	32	79	1" 3/16-18 UNEF
22	43	37	80.5	1" 3/16-18 UNEF
24	48	40	81	1" 7/16-18 UNEF
28	53	45	81	1" 7/16-18 UNEF
32	60	52	95.5	1" 3/4-18 UNS
36	66.2	58	95.5	2"-18 UNS
40	72.4	63.8	96.5	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	06	LDA	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
06	Shell Type	06	Plug Connector
LDA	Connector Class	LA	non watertight
		LDA	with waterproof O-ring (IP67***)
		LRA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

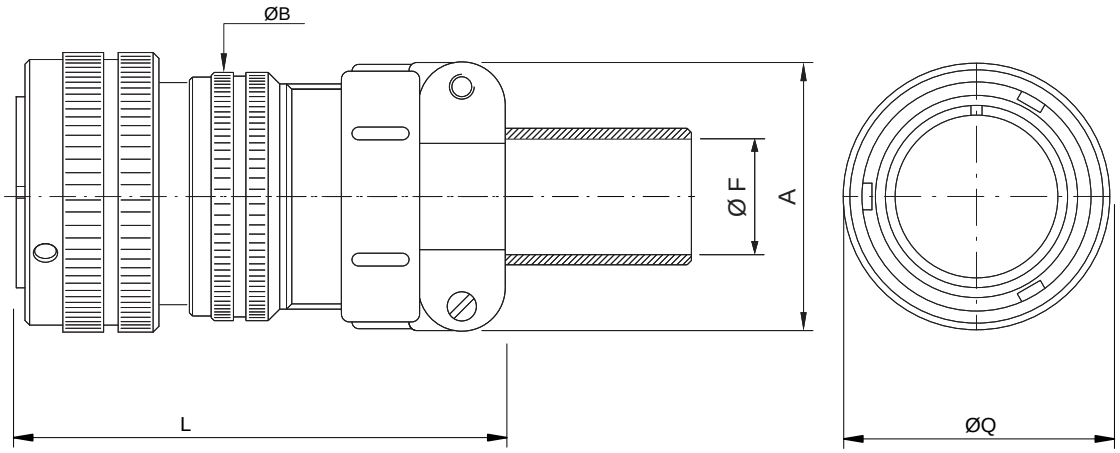
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 06LDAT 20-27SX CR CD5 F7 N

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AF - F)

Connector provided with backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



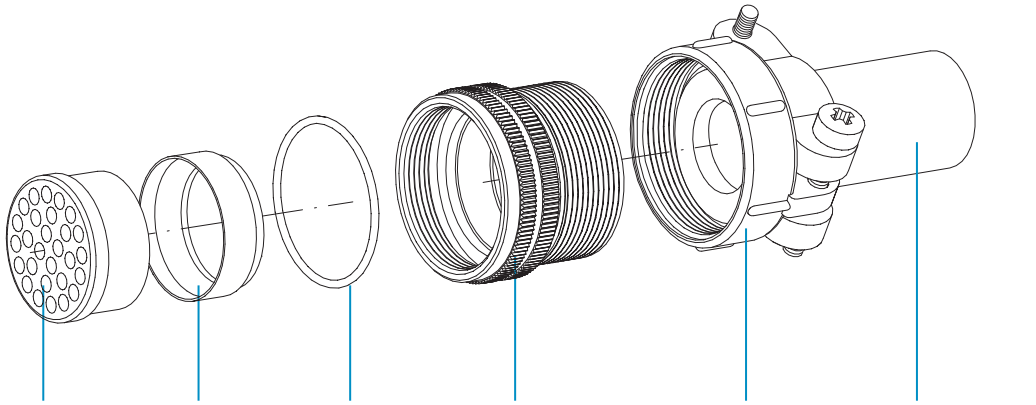
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	23.3	46	20	22.5	5.6
14S	29.5	55	24	28	7.9
16S	33	56.5	27	30	11
16	33	62.5	27	30	11
18	37	67.5	30	31.7	14.2
20	41	68	32	37.5	15.8
22	43	70.5	37	37.5	15.8
24	48	70.5	40	43.5	19
28	53	77.5	45	43.5	19
32	60	77.5	52	51.7	23.8
36	66.2	77.5	58	58.5	31.7
40	72.4	93	63.8	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AF	Connector Class	AF	with waterproof O-ring (IP54)
		F	with waterproof O-ring and grommet (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 06AFT 20-27SX CR CD5 F7 N

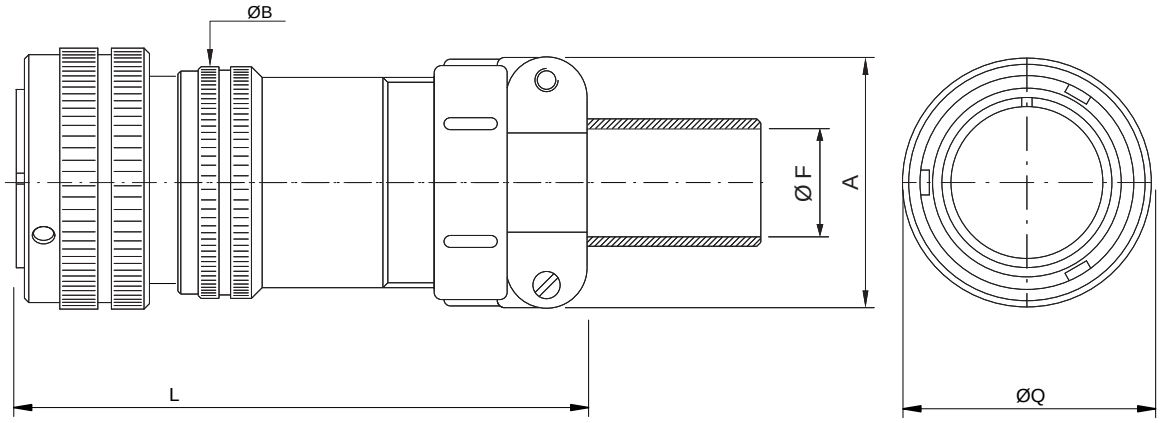
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (LAF - LF)

Connector provided with long backshell, MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)



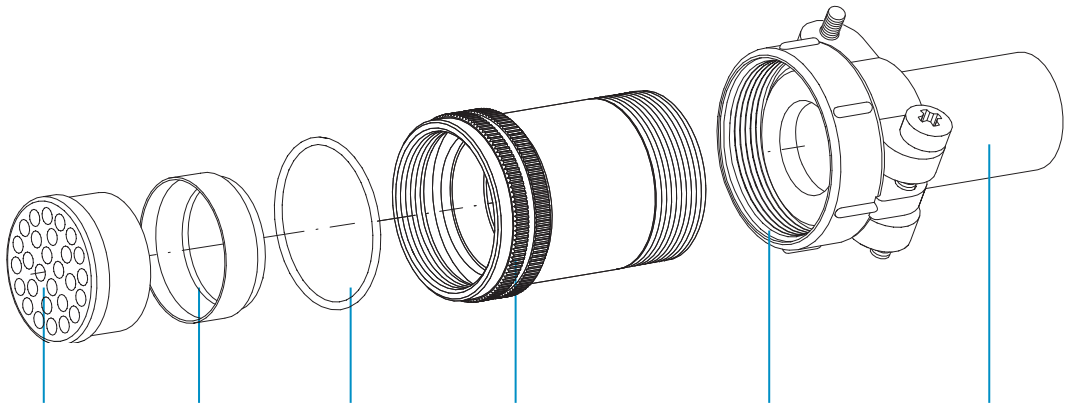
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	23.3	78	20	22.5	5.6
14S	29.5	80	24	28	7.9
16S	33	81.5	27	30	11
16	33	92	27	30	11
18	37	94	30	31.7	14.2
20	41	94.5	32	37.5	15.8
22	43	96	37	37.5	15.8
24	48	96.5	40	43.5	19
28	53	96.5	45	43.5	19
32	60	111	52	51.7	23.8
36	66.2	111	58	58.5	31.7
40	72.4	125.5	63.8	68.5	34.9

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	LAF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
LAF	Connector Class	LAF	with waterproof O-ring (IP54)
		LF	with waterproof O-ring and grommet (IP54)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 06LAFT 20-27SX CR CD5 F7 N

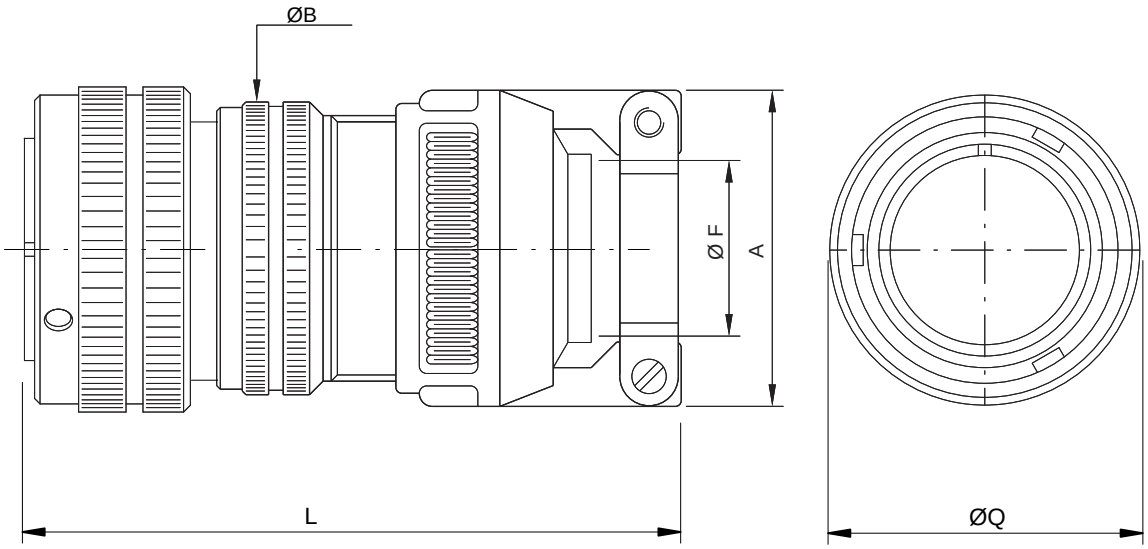
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AC - ACF)

Connector provided with backshell, MS3057...C type Cable-Clamps (for jacketed cable)



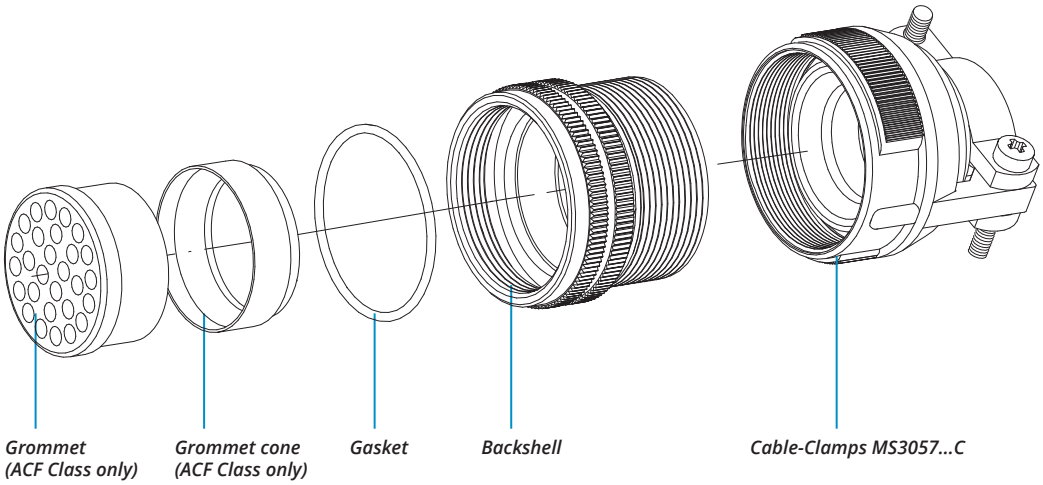
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable dimension	
					Min	Max
10SL	23.3	60	20	23	2.4	7.9
14S	29.5	67	24	26	5.8	11.2
16S	33	68	27	28.5	8	13.5
16	33	74	27	28.5	8	13.5
18	37	79.5	30	32	9.6	15.9
20	41	79.5	32	37.5	11.3	19
22	43	81.5	37	37.5	11.3	19
24	48	88.5	40	43.5	15.5	23.8
28	53	95.5	45	43.5	15.5	23.8
32	60	100	52	54	23.4	31.8
36	66.2	104.5	58	58	25.4	35
40	72.4	108	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	ACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 06ACFT 20-27SX CR CD5 F7 N

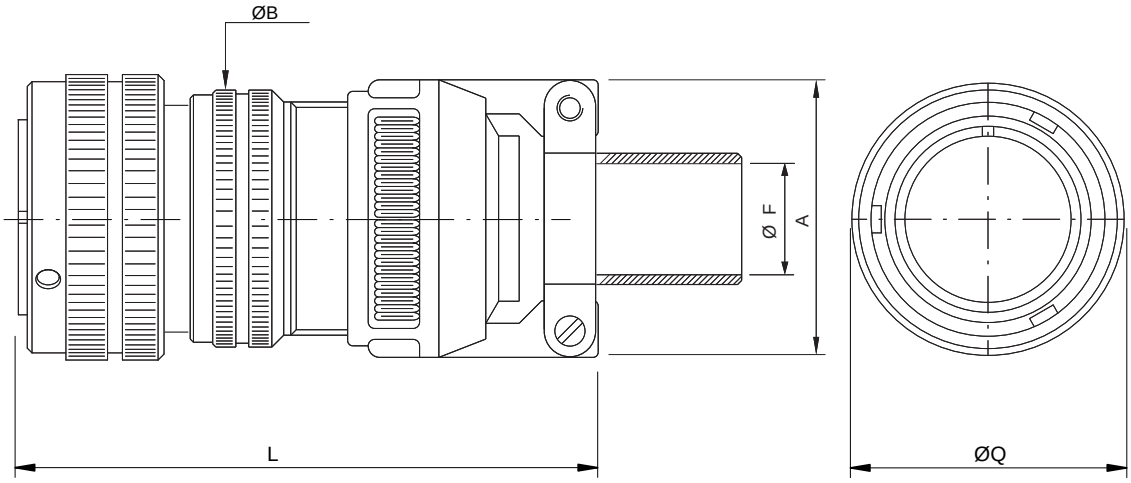
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (ACB)

Connector provided with backshell, MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



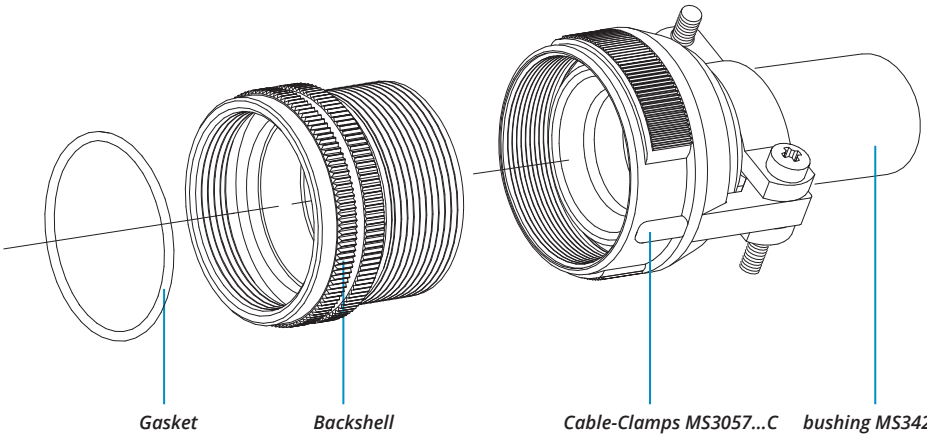
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF max cable size
10SL	23.3	60	20	23	5.6
14S	29.5	67	24	26	7.9
16S	33	68	27	28.5	11.1
16	33	74	27	28.5	11.1
18	37	79.5	30	32	11.1
20	41	79.5	32	37.5	13.7
22	43	81.5	37	37.5	13.7
24	48	88.5	40	43.5	19
28	53	95.5	45	43.5	19
32	60	100	52	54	23.8
36	66.2	104.5	58	58	28.5
40	72.4	108	63.8	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 06ACBT 20-27SX CR CD5 F7 N

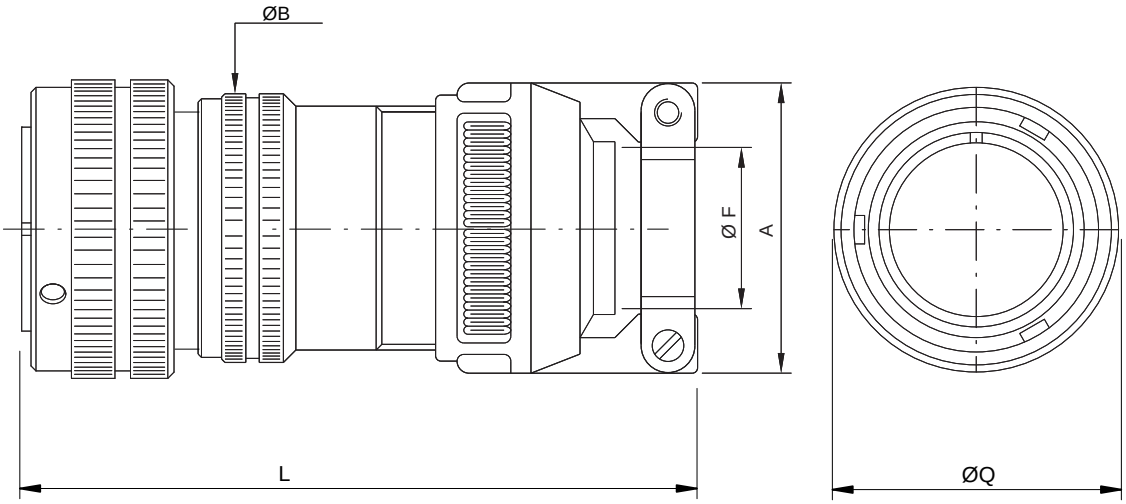
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (LAC - LACF)

Connector provided with long backshell, MS3057...C type Cable-Clamps (for jacketed cable)



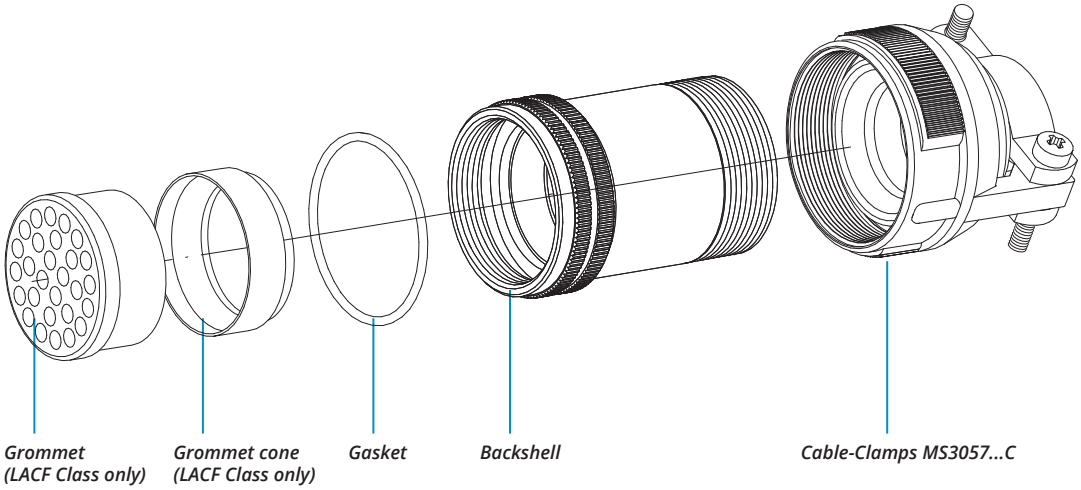
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable dimension	
					Min	Max
10SL	23.3	92	20	23	2.4	7.9
14S	29.5	92	24	26	5.8	11.2
16S	33	93	27	28.5	8	13.5
16	33	103.5	27	28.5	8	13.5
18	37	106	30	32	9.6	15.9
20	41	106	32	37.5	11.3	19
22	43	107	37	37.5	11.3	19
24	48	114.5	40	43.5	15.5	23.8
28	53	114.5	45	43.5	15.5	23.8
32	60	133.5	52	54	23.4	31.8
36	66.2	138	58	58	25.4	35
40	72.4	140.5	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	LACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
LACF	Connector Class	LAC	with waterproof O-ring (IP67)
		LACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N S	Consult our sales office

P/N Sample: RF CVB 06LACFT 20-27SX CR CD5 F7 N

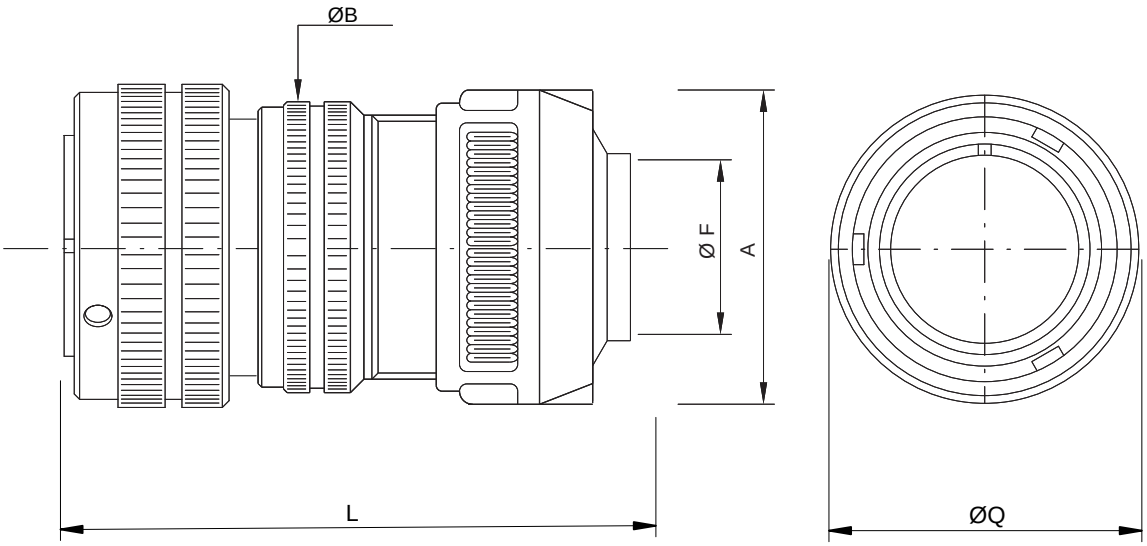
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AB)

Connector provided with backshell, MS3057...B type Cable-Clamps (for jacketed cable)



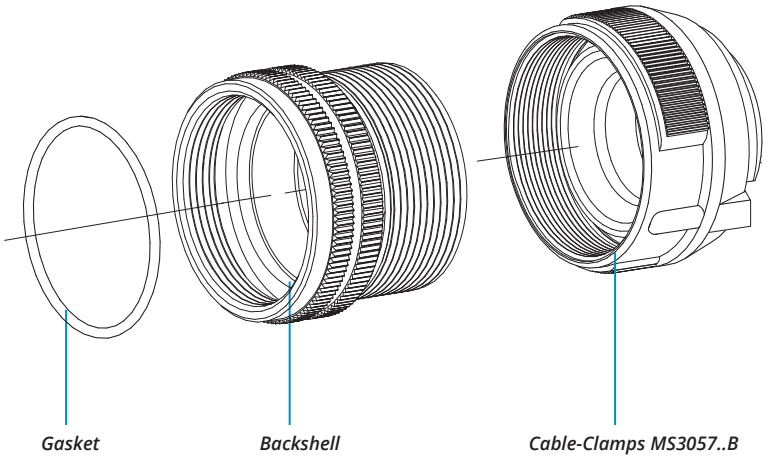
Shell size	ØQ ±0.2	L	ØB ±0.2	A max	ØF cable dimension	
					Min	Max
10SL	23.3	48.4	20	23	2.4	7.9
14S	29.5	56.1	24	26	5.8	11.2
16S	33	57.3	27	28.5	8	13.5
16	33	63.3	27	28.5	8	13.5
18	37	68	30	32	9.6	15.9
20	41	69.2	32	37.5	11.3	19
22	43	71.2	37	37.5	11.3	19
24	48	76.3	40	43.5	15.5	23.8
28	53	83.3	45	43.5	15.5	23.8
32	60	85.1	52	54	23.4	31.8
36	66.2	88.2	58	58	25.4	35
40	72.4	91.5	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	AB	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AB	Connector Class	AB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 06ABT 20-27SX CR CD5 F7 N

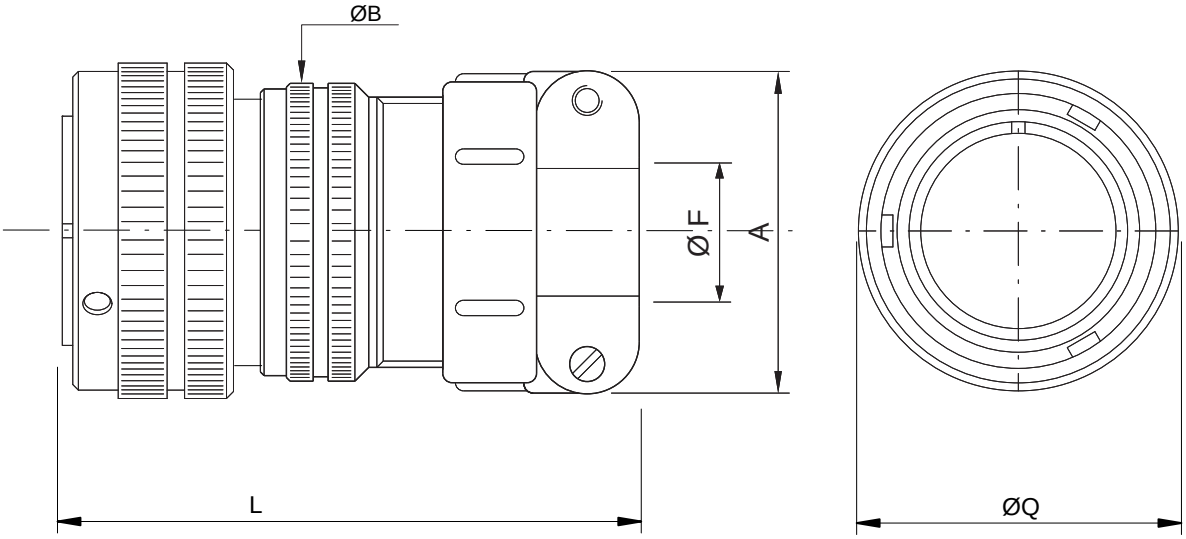
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AS - ASF)

Connector provided with backshell, MS3057...A type Cable-Clamps (for single wire)



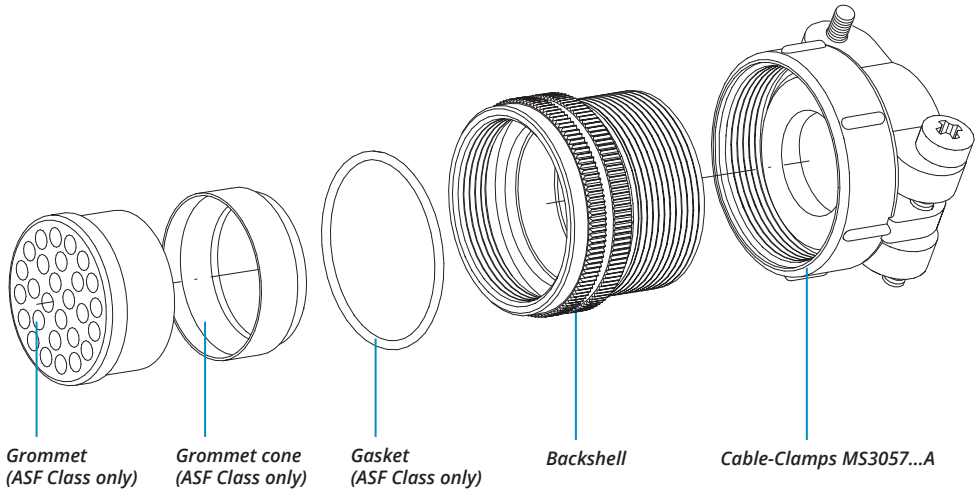
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable max dimension
10SL	23.3	46	20	22.5	8
14S	29.5	55	24	28	11
16S	33	56.5	27	30	14.2
16	33	62.5	27	30	14.2
18	37	67.5	30	31.7	15.8
20	41	68	32	37.5	19
22	43	70.5	37	37.5	19
24	48	70.5	40	43.5	23.8
28	53	77.5	45	43.5	23.8
32	60	77.5	52	51.7	31.7
36	66.2	77.5	58	58.5	35
40	72.4	93	63.8	68.5	41.2

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	AS	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AS	Connector Class	AS	non watertight
		ASF	with waterproof O-ring and grommet
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 06AST 20-27SX CR CD5 F7 N

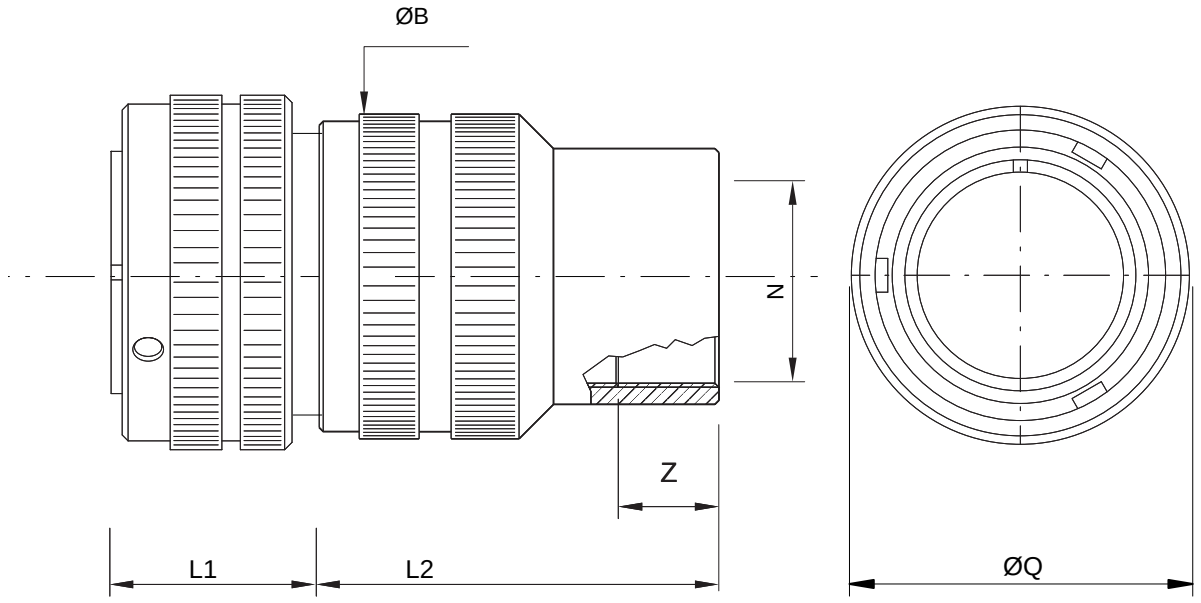
(*) RoHS compliance

(**) If required

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (DA..M - RA..M DA..PG - RA..PG)

Connector with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



Shell size	ØQ ±0.2	ØB ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG
10SL	23.3	20	8	18,8	M12 - M16	32	(PG9) - PG13.5	26
14S	29.5	24	9	19,6	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30
16S	33	27	9	19,6	(M16) - M20	40	PG13.5 - (PG16)	38
16	33	27	9	23,8	M20	45	PG16	40
18	37	30	9	24,9	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50
20	41	32	9	24,2	(M12)- M20	50	PG11 - PG13.5 - PG16	50
22	43	37	10	24,2	M25 - M32	50	PG21	50
24	48	40	10	25,4	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50
28	53	45	10	25,8	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60
32	60	52	10	28,3	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60
36	66.2	58	13	28,1	M40 - M50	56	PG29 - (PG36) - (PG42)	65
40	72.4	63.8	13	28,6	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65

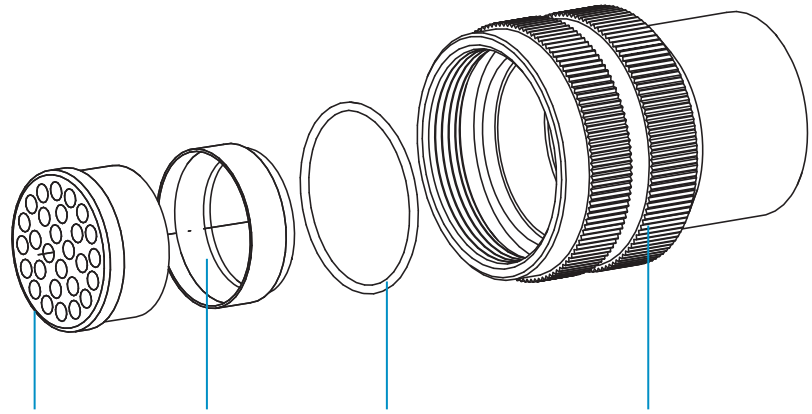
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVB - Bayonet Connector

RF	CVB	303	06	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

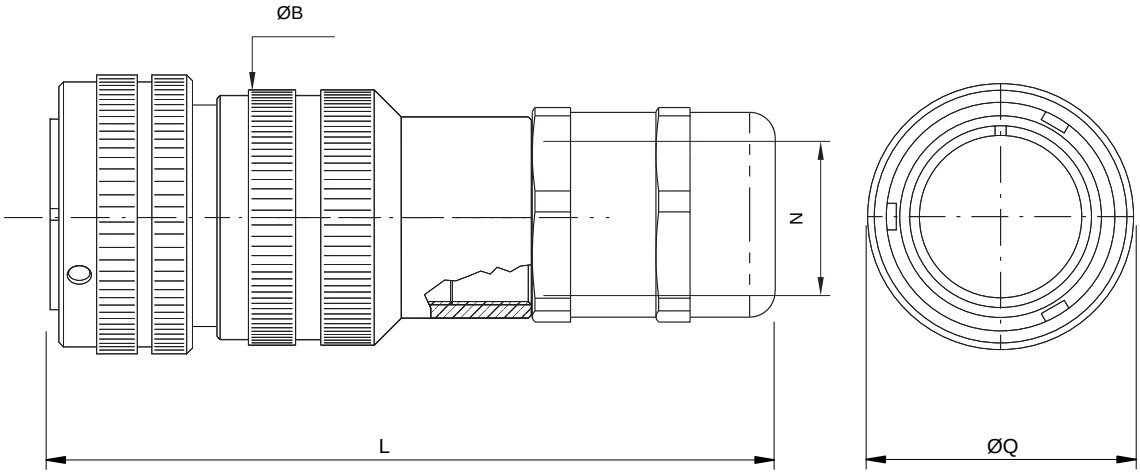
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 06DAT 20-27SX M12 CR CD5 F7 N

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (DA..MH - RA..MH DA..PH - RA..PH)

Connector with backshell provided with a Metric or PG thread metal Cable-Glands.



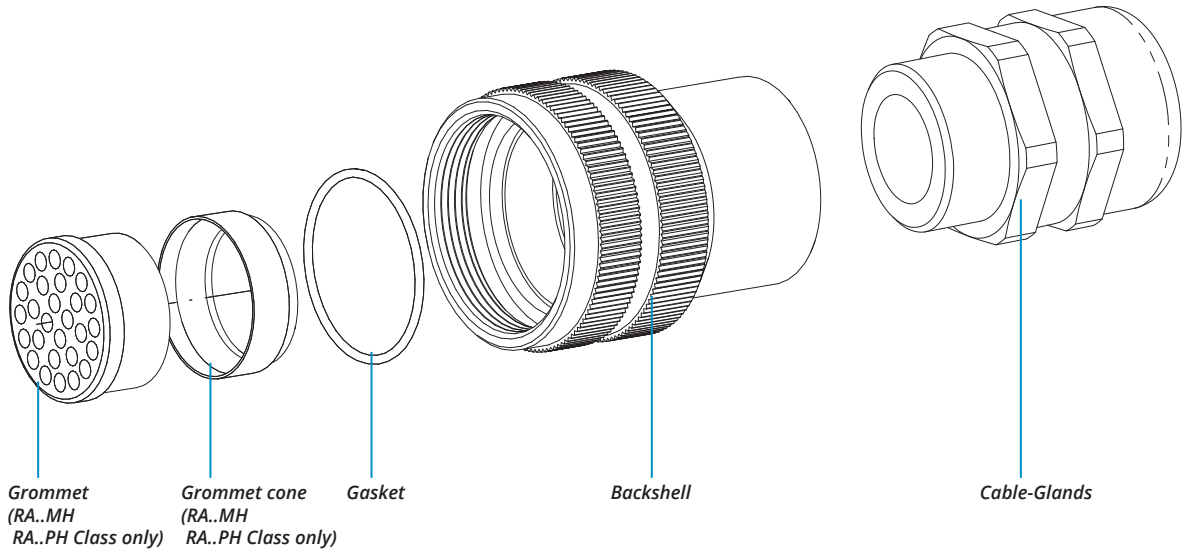
Shell size	ØQ ±0.2	L max	ØB ±0.2	Backshell Metric Thread	ØN Clamping range
10SL	23.3	88	20	M12	3.5-7
14S	29.5	94	24	M16	4.5-10
16S	33	97.5	27	M20	7-13
16	33	105.5	27	M20	7-13
18	37	105.5	30	M20	7-13
20	41	106.5	32	M25	9-17
22	43	112.5	37	M32	11-21
24	48	112.5	40	M32	11-21
28	53	122.5	45	M32	11-21
32	60	126	52	M40	19-28
36	66.2	131	58	M40	19-28
40	72.4	139	63.8	M40	19-28

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	06	DA	T	20-27	S	X	MH12	CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
06	Shell Type	06	Plug Connector
DA	Connector Class	DA	with waterproof O-ring (IP67)
		RA	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
MH12	Backshell internal thread	MH	Provided with a Metric thread Cable-Glands
		PH	Provided with a PG thread Cable-Glands**
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	Modification Code**	N	Consult our sales office
		S	

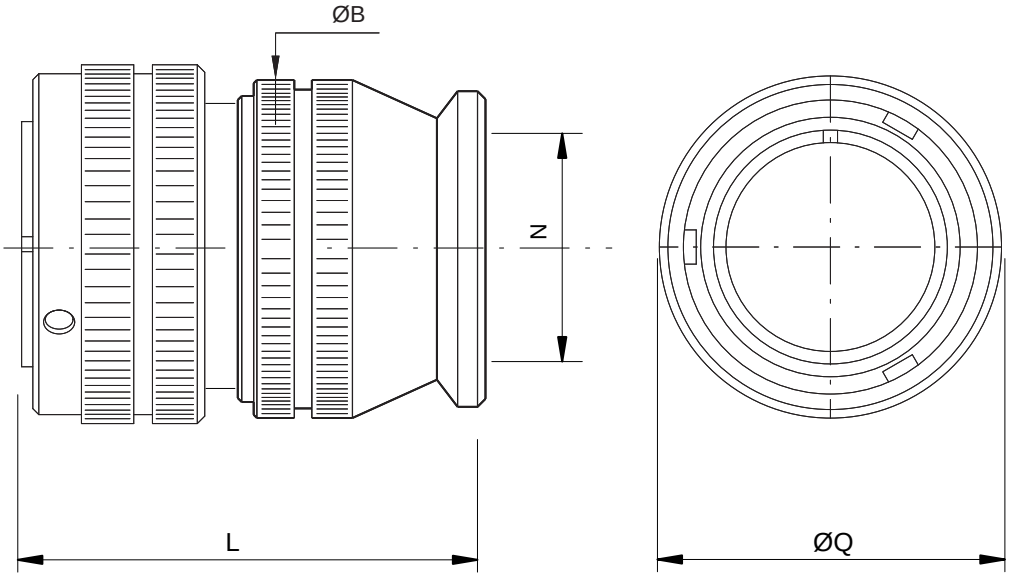
P/N Sample: RF CVB 06DAT 20-27SX MH12 CR CD5 F7 N

*(*) RoHS compliance (**) If required *** Consult our sales office*

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AR - R)

This class is suitable to connect single wires when strain relief is not necessary and small longitudinal overall dimensions are needed.
As watertightness is guaranteed by the grommet only, it is necessary to make sure the wire diameter matches the grommet sealing range.



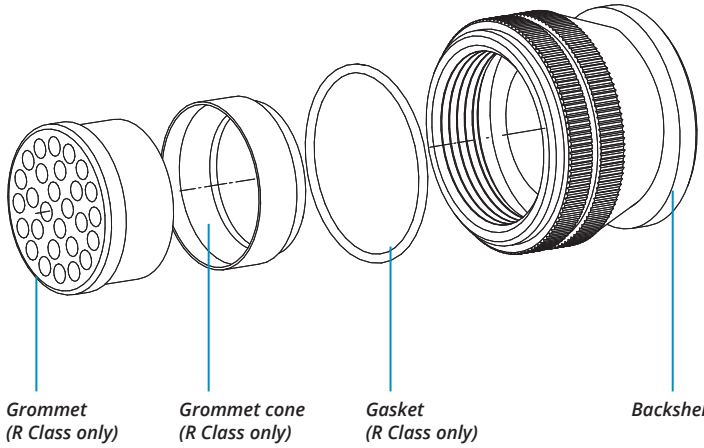
Shell size	ØQ ±0.2	ØB ±0.2	L max	N max cable dimension
10SL	23.3	20	36	10
14S	29.5	24	42	13.5
16S	33	27	42	16.1
16	33	27	48	16.5
18	37	30	51	19
20	41	32	51	22.2
22	43	37	54	24.5
24	48	40	54	28
28	53	45	61	32.6
32	60	52	61	38
36	66.2	58	61	45
40	72.4	63.8	63	51.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	06	R	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	**Insulating material**	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	CVB	Bayonet Connector
303	**Shell Material**	-	Aluminum
		303	Stainless Steel
		316	Stainless Steel
06	**Shell Type**	06	Plug Connector
R	**Connector Class**	AR	non watertight
		R	with waterproof O-ring and grommet
T	**Connector Modification****	T	With plastic caps
20-27	**Insert Arrangement**		Size - Type

S	**Contact Gender**	S	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	**Contact Plating**	-	Silver plating
		CD5	Gold plating
F7	**Shell finish**	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
N	**Modification Code****	N	Consult our sales office
		S	

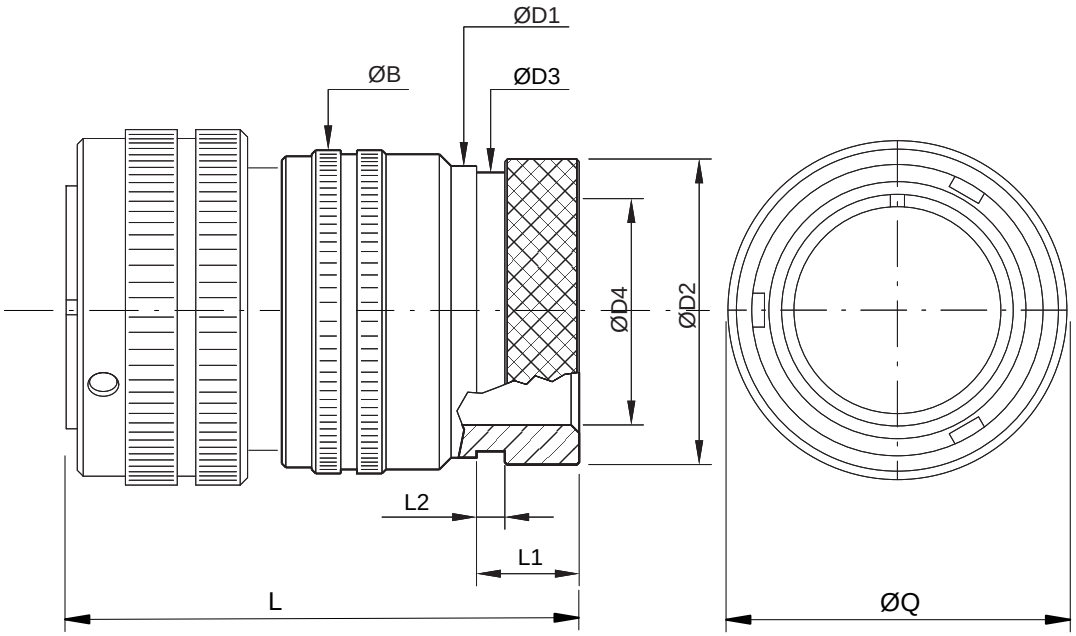
P/N Sample: RF CVB 06RT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

Plug Connector (06) with Backshell Class (AG - G)

These classes of connectors are all suitable for heat shrink tubing applications.



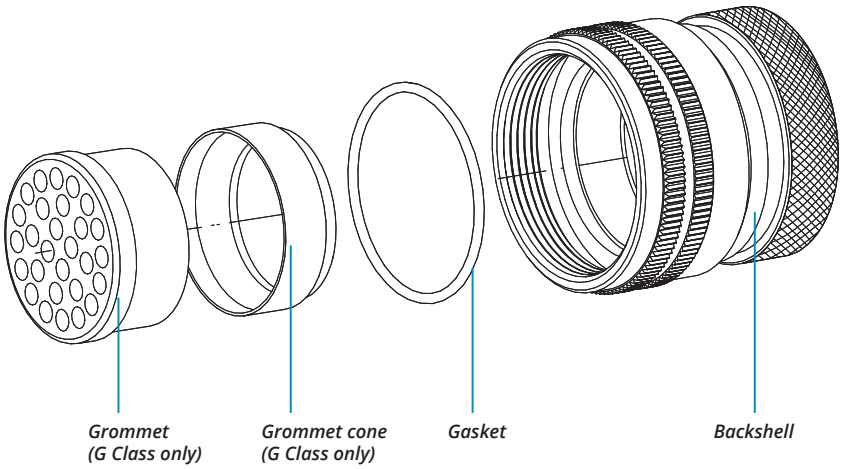
Shell size	ØQ ±0.2	ØB ±0.2	ØD1 ±0.2	ØD2 ±0.2	ØD3 ±0.2	ØD4 ±0.2	L	L1 ±0.2	L2 ±0.2
10SL	23.3	20	17	15.5	13.3	7.9	49	11.7	3.5
14S	29.5	24	20.1	19.1	17	13.5	49	11.7	3.5
16S	33	27	23.5	23.9	21.9	13.7	49	11.7	3.5
16	33	27	23.5	23.9	21.9	16.1	60	11.5	3.5
18	37	30	26.5	23.9	21.9	19	64	11.5	3.5
20	41	32	30.2	29.6	26.2	22.2	64	12.4	3.5
22	43	37	33.6	29.6	26.2	22	64	12.7	3.5
24	48	40	36.1	37.8	34.5	28	64	12.7	3.5
28	53	45	41.4	37.8	34.5	29	64	12.7	3.5
32	60	52	50	47.8	43.4	35.2	70	15.2	3.5
36	66.2	58	56	47.7	43.4	40	75	15.2	3.5
40	72.4	63.8	62.4	57.6	52.4	48	78	15.2	3.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		06	AG	T	20-27	S	X		CR	CD5	F7		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



The accessories for this class are not always available in stock for all sizes; we suggest you consult our Sales Office for availability

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
06	Shell Type	06	Plug Connector
AG	Connector Class	AG	with waterproof O-ring (IP67***)
		G	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
N	Modification Code**	N	Consult our sales office
		S	

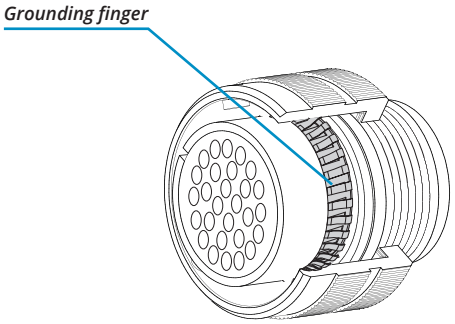
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

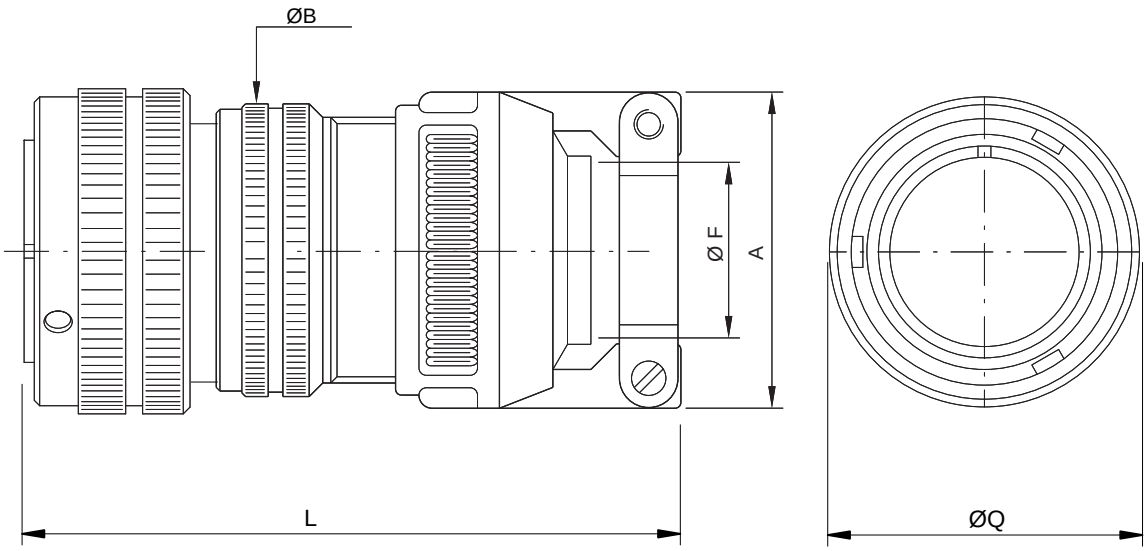
P/N Sample: RF CVB 06AGT 20-27SX CR CD5 F7 N

CVB - Bayonet Connector

Plug Connector (96) with Backshell Class (AC - ACF)

Connector provided with grounding finger to guarantee shielding; with backshell, MS3057...C type Cable-Clamps (for jacketed cable)





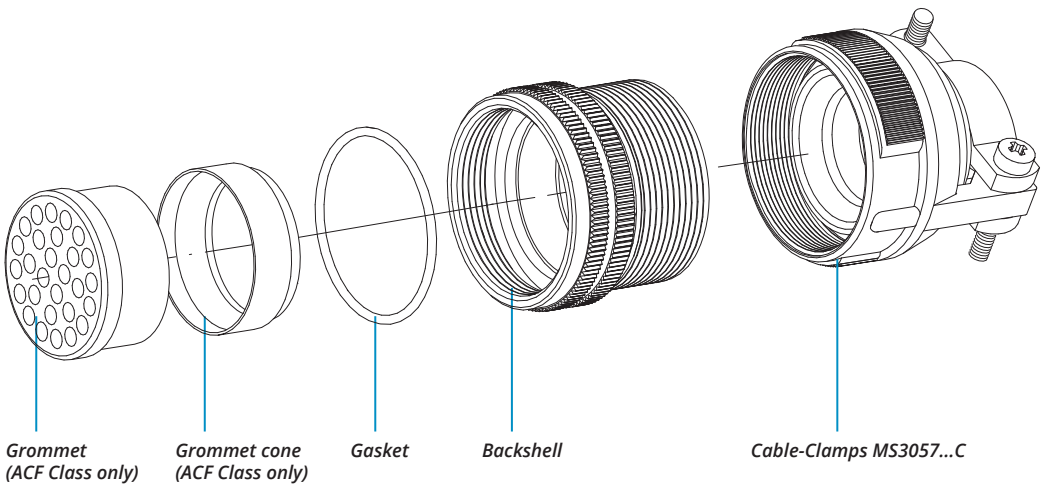
Shell size	ØQ ±0.2	L max	ØB ±0.2	A max	ØF cable dimension	
					Min	Max
10SL	23.3	60	20	23	2.4	7.9
14S	29.5	67	24	26	5.8	11.2
16S	33	68	27	28.5	8	13.5
16	33	74	27	28.5	8	13.5
18	37	79.5	30	32	9.6	15.9
20	41	79.5	32	37.5	11.3	19
22	43	81.5	37	37.5	11.3	19
24	48	88.5	40	43.5	15.5	23.8
28	53	95.5	45	43.5	15.5	23.8
32	60	100	52	54	23.4	31.8
36	66.2	104.5	58	58	25.4	35
40	72.4	108	63.8	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		96	ACF	T	20-27	S	X		CR	CD5	F4		N
	Series Code	Shell Material	Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
96	Shell Type	96	Plug Connector with grounding finger
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67)
T	Connector Modification**	T	With plastic caps

20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F4	Shell finish	F4	CCF - Green passivation - conductive
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 96ACFT 20-27SX CR CD5 F4 N

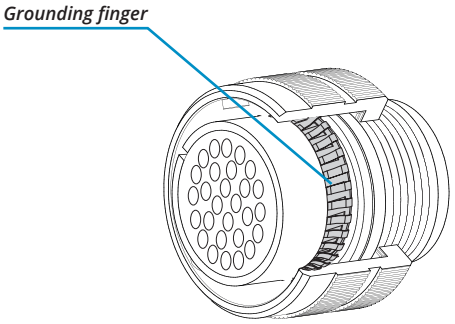
(*) RoHS compliance

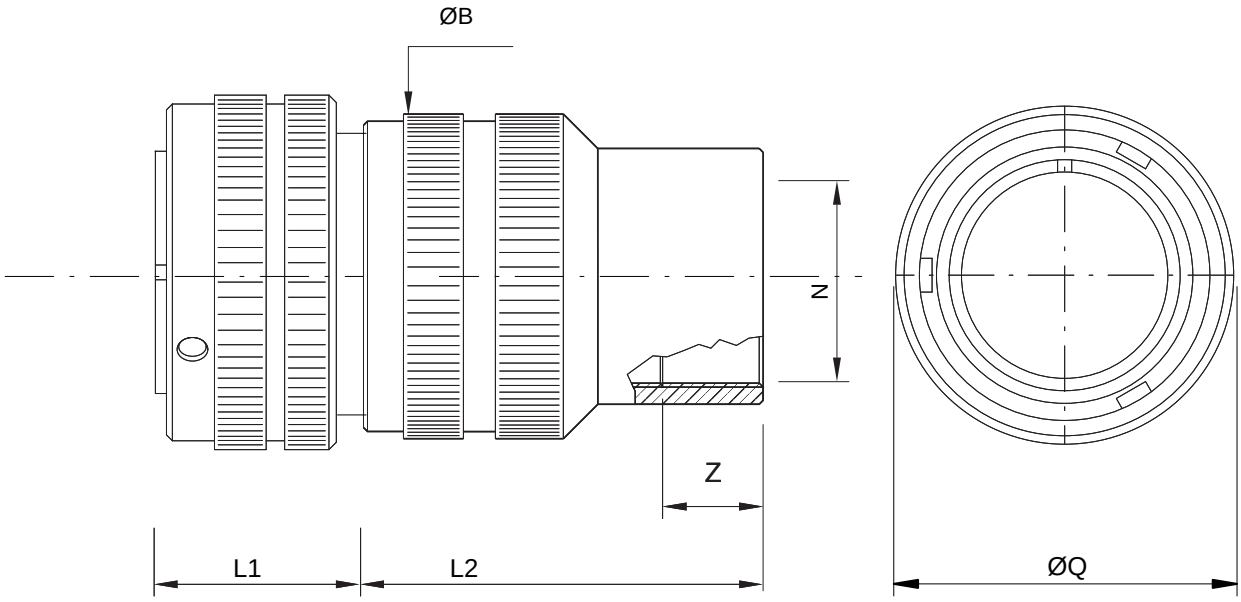
(**) If required

CVB - Bayonet Connector

Plug Connector (96) with Backshell Class (DA..M - RA..M DA..PG - RA..PG)

Connector provided with grounding finger to guarantee shielding;
with backshell provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.





Shell size	ØQ ±0.2	ØB ±0.2	Z min	L1	N Backshell Metric thread	L2 M	N Backshell PG Thread	L2 PG
10SL	23.3	20	8	18,8	M12 - M16	32	(PG9) - PG13.5	26
14S	29.5	24	9	19,6	M12-M16-(M20)-(M25)	30	(PG9)-PG11-PG13.5-(PG16)	30
16S	33	27	9	19,6	(M16) - M20	40	PG13.5 - (PG16)	38
16	33	27	9	23,8	M20	45	PG16	40
18	37	30	9	24,9	M20 - M25	50	(PG11)-(PG13.5)-PG16-PG21	50
20	41	32	9	24,2	(M12)- M20	50	PG11 - PG13.5 - PG16	50
22	43	37	10	24,2	M25 - M32	50	PG21	50
24	48	40	10	25,4	M20 - M25 -M32-M40	50	PG16 - PG21 - PG29	50
28	53	45	10	25,8	(M25) - M32 - M40	63	PG21 - PG29 - PG36	60
32	60	52	10	28,3	(M25) - (M32) - M40	55	PG21 - (PG29) - PG36	60
36	66.2	58	13	28,1	M40 - M50	56	PG29 - (PG36) - (PG42)	65
40	72.4	63.8	13	28,6	M40 - (M50) - M63	65	PG29-(PG36)-(PG42)-(PG48)	65

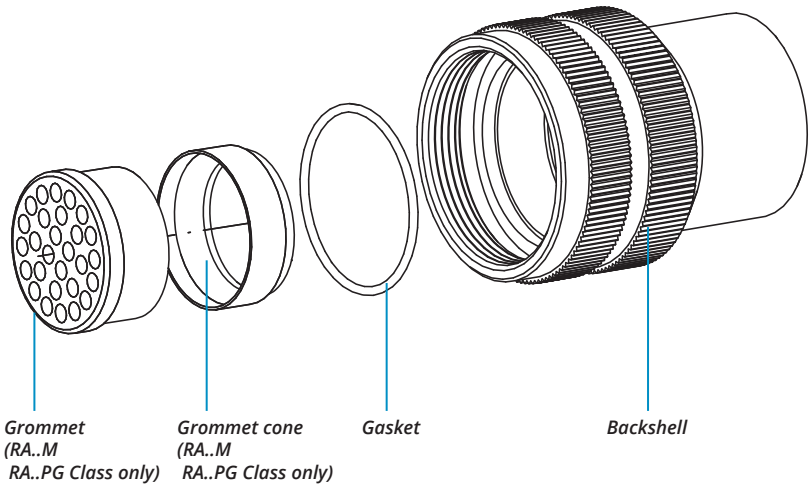
Dimensions in mm

Dimensions "L1 and L2" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

(...) The threads in parentheses are versions on request with non standard backshell length (the dimensions L2 and Z are different from this page indication). Please consult our sales office for the specific dimensions.

CVB - Bayonet Connector

RF	CVB		96	DA	T	20-27	S	X	M12	CR	CD5	F4		N
Series Code		Shell Material	Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
96	Shell Type	96	Plug Connector with grounding finger
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F4	Shell finish	F4	CCF - Green passivation - conductive
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

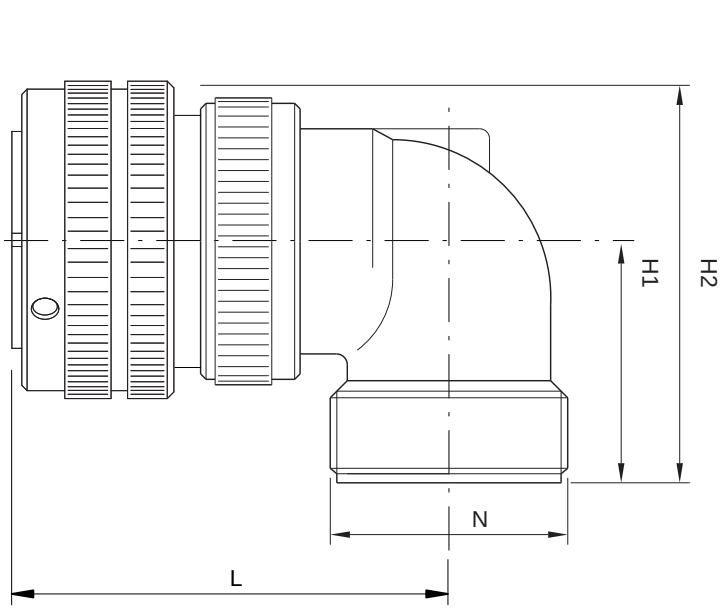
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 96DAT 20-27SX M12 CR CD5 F4 N

CVB - Bayonet Connector

Plug Connector (08) with 90° Elbow Class (A - DA - RA)

Connector with 90° elbow provided with an external thread suitable for MS3057...A or C type Cable-Clamps (to be ordered separately).



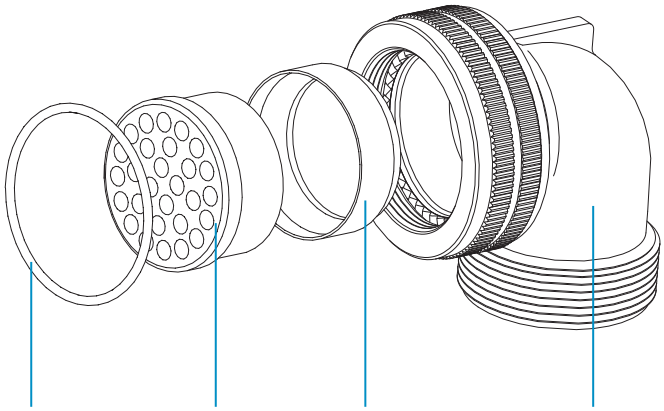
Shell size	ØQ ±0.2	L max	H1 max	H2 max	N Backshell Thread in inches
10SL	23.3	45.5	27	38.7	5/8"-24 UNEF
14S	29.5	45.5	27	41.3	3/4"-20 UNEF
16S	33	47	29	44.9	7/8"-20 UNEF
16	33	56.5	29	44.9	7/8"-20 UNEF
18	37	57.5	31	48.1	1"-20 UNEF
20	41	60	33	51.7	1" 3/16-18 UNEF
22	43	62.5	35	55.3	1" 3/16-18 UNEF
24	48	65.5	38	59.8	1" 7/16-18 UNEF
28	53	65.5	40	65	1" 7/16-18 UNEF
32	60	70	46	74.1	1" 3/4-18 UNS
36	66.2	73.5	49	80.3	2"-18 UNS
40	72.4	78.5	53	87.6	2"1/4-16 UN

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		08	DA	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
DA	Connector Class	A	non watertight
		DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

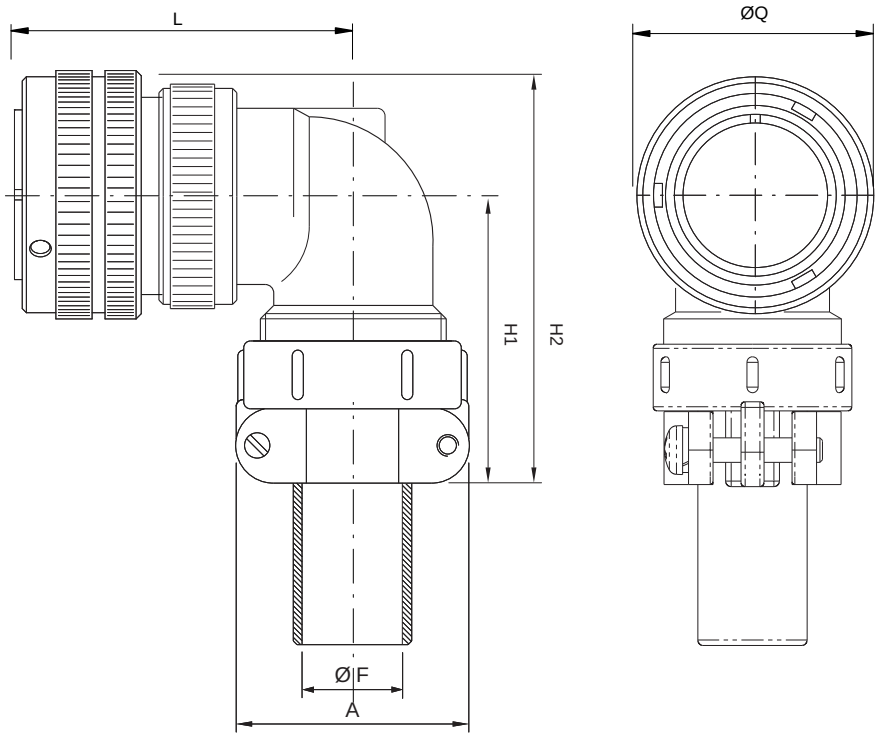
P/N Sample: RF CVB 08DAT 20-27SX CR CD5 F7 N

(#) In some sizes the grommet cone is not needed

CVB - Bayonet Connector

Plug Connector (08) with 90° Elbow Class (AF - F)

Connector with 90° elbow provided with MS3057...A type Cable-Clamps and bushing MS3420... (for single wire)

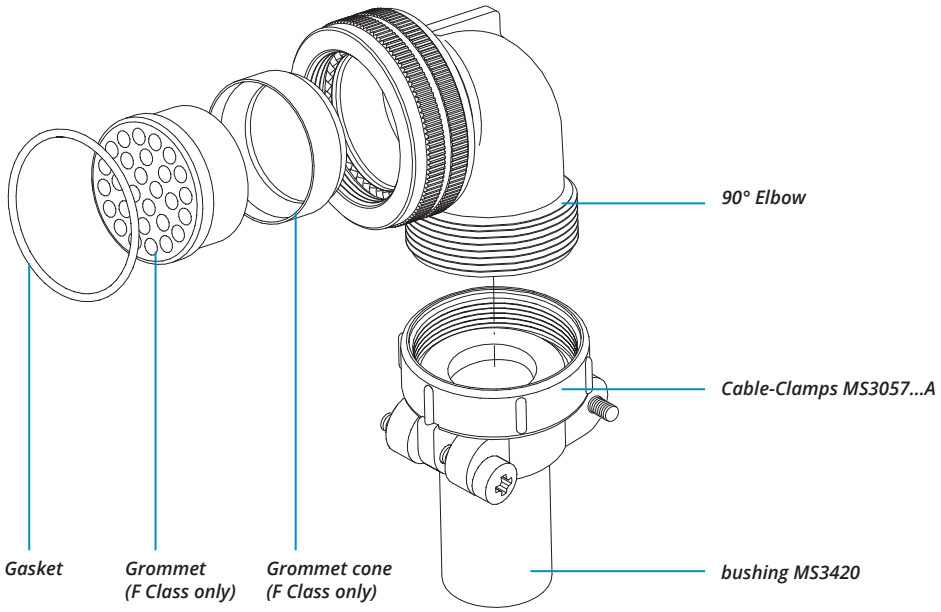


Shell size	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF cable max dimension
10SL	23.3	45.5	39	50,7	22.5	5.6
14S	29.5	45.5	39	53.3	28	7.9
16S	33	47	42.5	58.4	30	11
16	33	56.5	42.5	58.4	30	11
18	37	57.5	47	64.1	31.7	14.2
20	41	60	47.5	66.2	37.5	15.8
22	43	62.5	49.5	69.8	37.5	15.8
24	48	65.5	53.5	75.3	43.5	19
28	53	65.5	55.5	80.5	43.5	19
32	60	70	61.5	89.6	51.7	23.8
36	66.2	73.5	64.5	95.8	58.5	31.7
40	72.4	78.5	82	116.6	68.5	34.9

Dimensions in mm
Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		08	AF	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
AF	Connector Class	AF	with waterproof O-ring (IP54)
		F	with waterproof O-ring and grommet (IP54) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 08AFT 20-27SX CR CD5 F7 N

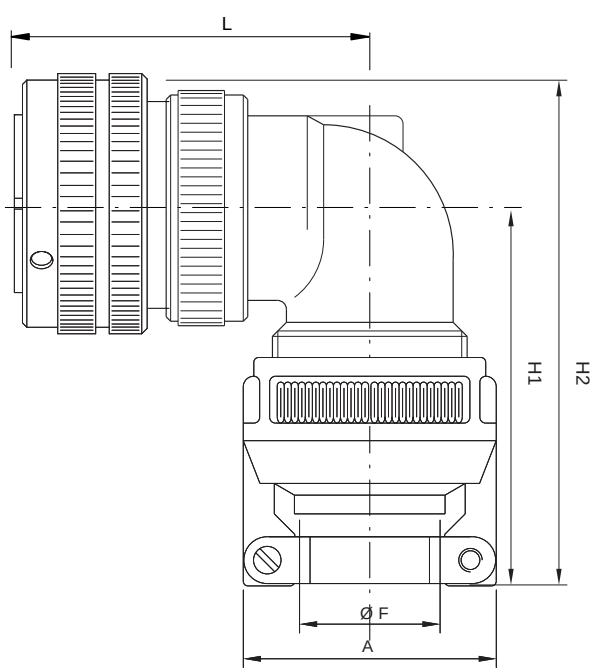
(#) In some sizes the grommet cone is not needed

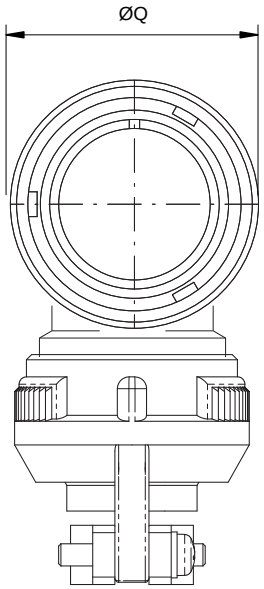
(*) RoHS compliance (**) If required

CVB - Bayonet Connector

Plug Connector (08) with 90° Elbow Class (AC - ACF)

Connector with 90° elbow provided with MS3057...C type Cable-Clamps (for jacketed cable)





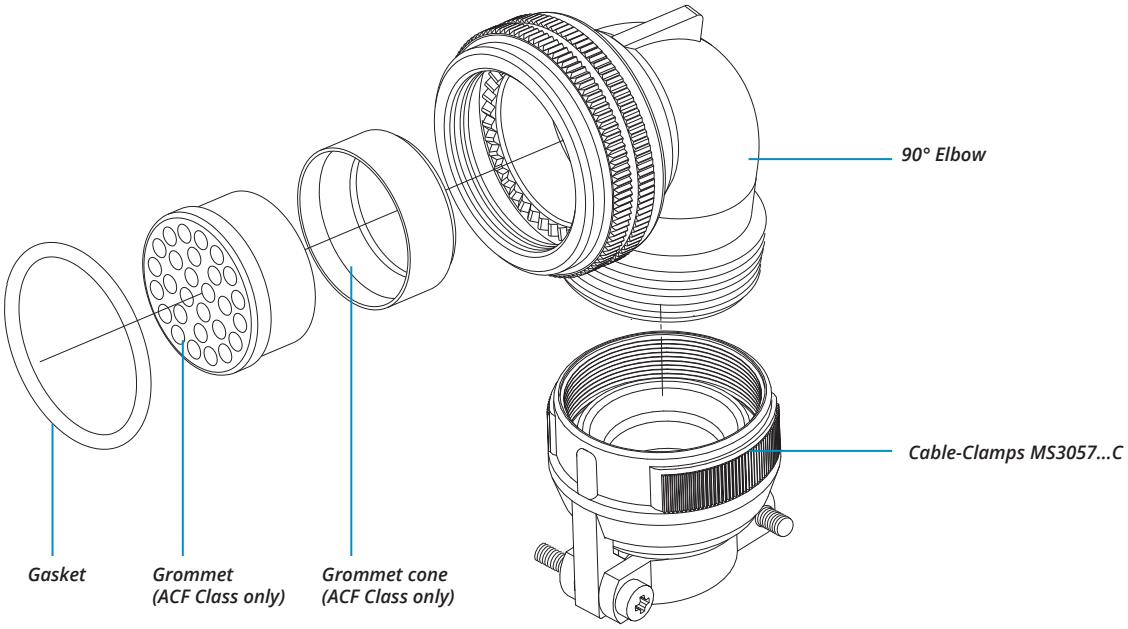
Shell size	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF max cable dimension	
						Min	Max
10SL	23.3	45.5	51	62.7	23	2.4	7.9
14S	29.5	45.5	51	65.3	26	5.8	11.2
16S	33	47	54	69.9	28.5	8	13.5
16	33	56.5	54	69.9	28.5	8	13.5
18	37	57.5	58.5	75.6	32	9.6	15.9
20	41	60	59.5	78.2	37.5	11.3	19
22	43	62.5	61.5	81.8	37.5	11.3	19
24	48	65.5	71.5	93.3	43.5	15.5	23.8
28	53	65.5	73.5	98.5	43.5	15.5	23.8
32	60	70	84	112.1	54	23.4	31.8
36	66.2	73.5	91.5	122.8	58	25.4	35
40	72.4	78.5	98	132.6	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		08	ACF	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

P/N Sample: RF CVB 08ACFT 20-27SX CR CD5 F7 N

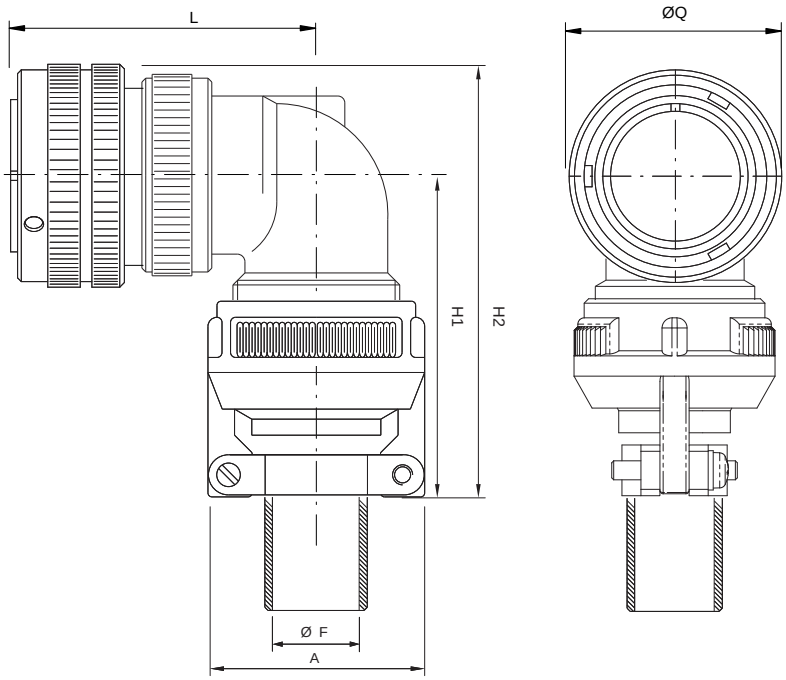
(#) In some sizes the grommet cone is not needed

(*) RoHS compliance (**) If required

CVB - Bayonet Connector

Plug Connector (08) with 90° Elbow Class (ACB)

Connector with 90° elbow provided with MS3057...C type Cable-Clamps and bushing MS 3420A (for jacketed cable)



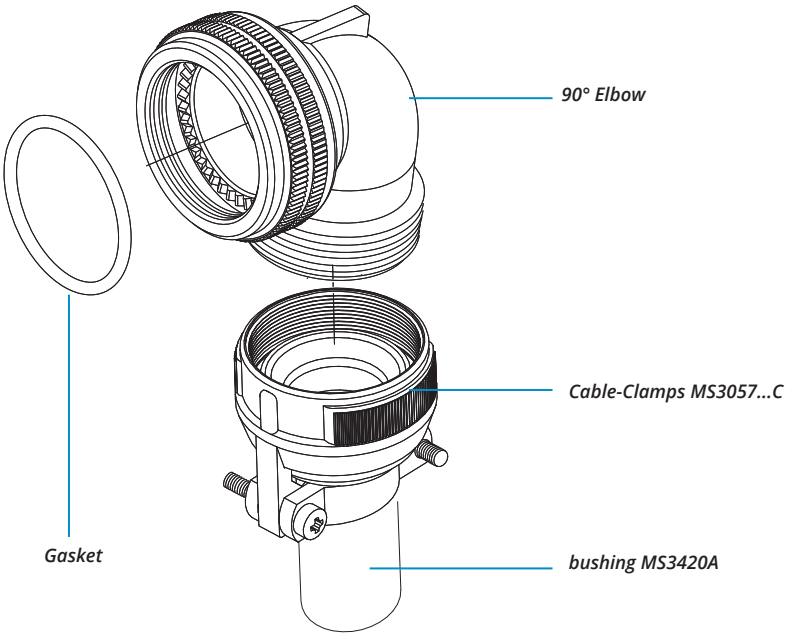
Shell size	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF max cable dimension
10SL	23.3	45.5	51	62.7	23	5.6
14S	29.5	45.5	51	65.3	26	7.9
16S	33	47	54	69.9	28.5	11.1
16	33	56.5	54	69.9	28.5	11.1
18	37	57.5	58.5	75.6	32	11.1
20	41	60	59.5	78.2	37.5	13.7
22	43	62.5	61.5	81.8	37.5	13.7
24	48	65.5	71.5	93.3	43.5	19
28	53	65.5	73.5	98.5	43.5	19
32	60	70	84	112.1	54	23.8
36	66.2	73.5	91.5	122.8	58	28.5
40	72.4	78.5	98	132.6	63.5	31.8

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		08	ACB	T	20-27	S	X		CR	CD5	F7		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
ACB	Connector Class	ACB	with waterproof O-ring
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

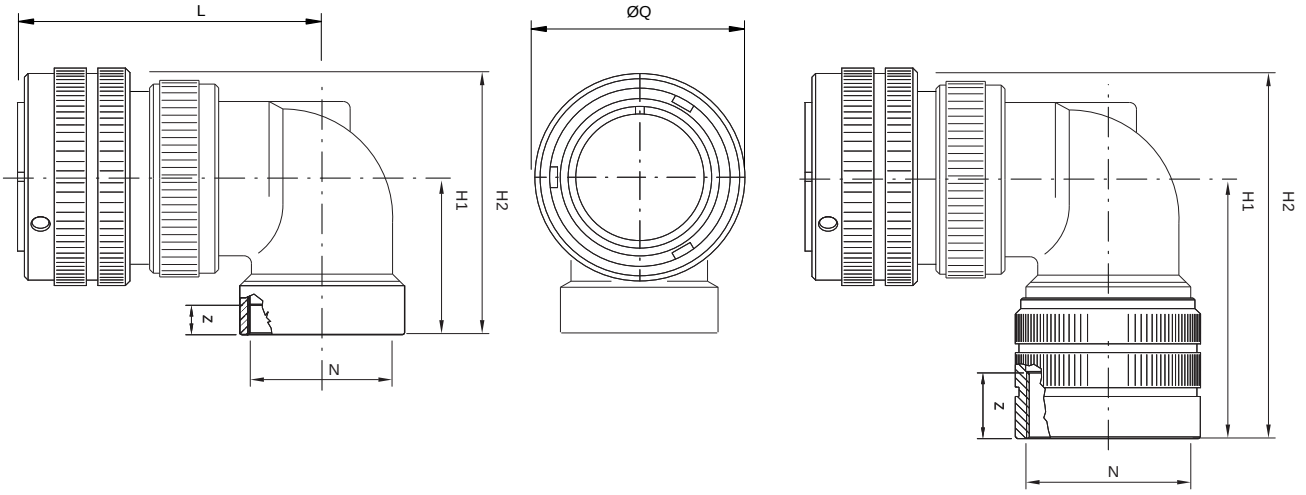
P/N Sample: RF CVB 08ACBT 20-27SX CR CD5 F7 N

(*) RoHS compliance *(**) If required*

CVB - Bayonet Connector

Plug Connector (08) with 90° Elbow Class (DA...M - RA...M - DA...PG - RA...PG)

Connector with 90° elbow provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.



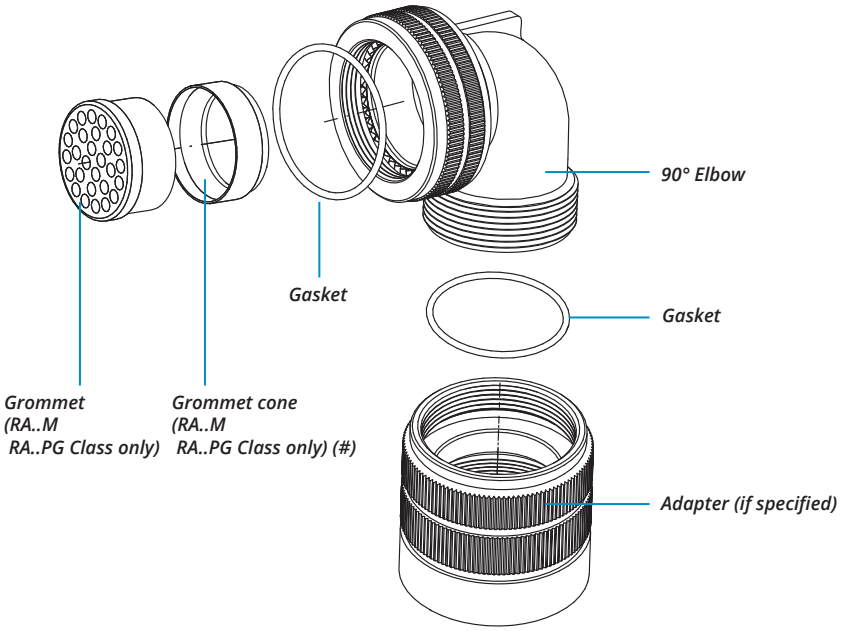
			Without adapter					With adapter				
Shell size	ØQ ±0.2	L max	Z min	H1 max	H2 max	N Backshell Thread		Z min	H1 max	H2 max	N Thread	
						Metric	PG				Metric	PG
10SL	23.3	45.5	7	26	40.3	M16	PG9	12	56	68	M12-M20	PG7-PG11-PG16
14S	29.5	45.5	7	26	40.3	M16	PG9	12	56	70.3	M12-M20	PG7-PG11-PG16
16S	33	47	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
16	33	56.5	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
18	37	57.5	7	31	48.1	M20	PG16	12	60	75.2	M25	PG13.5-PG21
20	41	60	7	33	51.7	M25	-	12	62	80.7	M16-M20-M32	PG13.5-PG16-PG21-PG29
22	43	62.5	7	35	55.3	M25	PG21	12	65	85.3	M16-M20-M32	PG13.5-PG16-PG29
24	48	65.5	7	38	59.8	M32	PG21	15	69	90.8	M20-M25-M40	PG13.5-PG16-PG29
28	53	65.5	7	40	65	M32	PG21	15	72	97	M20-M25-M40	PG29-PG36
32	60	70	-	-	-	-	-	15	78	106.1	M25-M32-M40	PG21-PG29-PG36
36	66.2	73.5	-	-	-	-	-	15	81	112.3	M32-M40	PG21-PG29-PG36
40	72.4	78.5	-	-	-	-	-	15	85	119.6	M32-M40-M50	PG29-PG36-PG42

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		08	DA	T	20-27	S	X	M12	CR	CD5	F7		N
	Series Code		Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
08	Shell Type	08	Plug Connector with 90° elbow
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts

X	Polarization Code**		Alternate Positions
M12	Backshell internal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

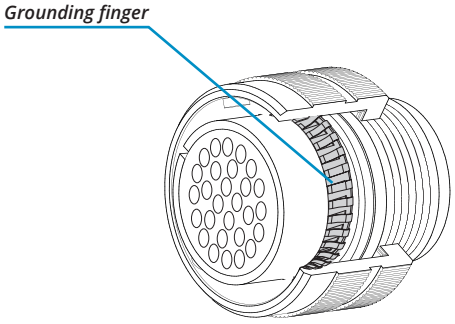
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

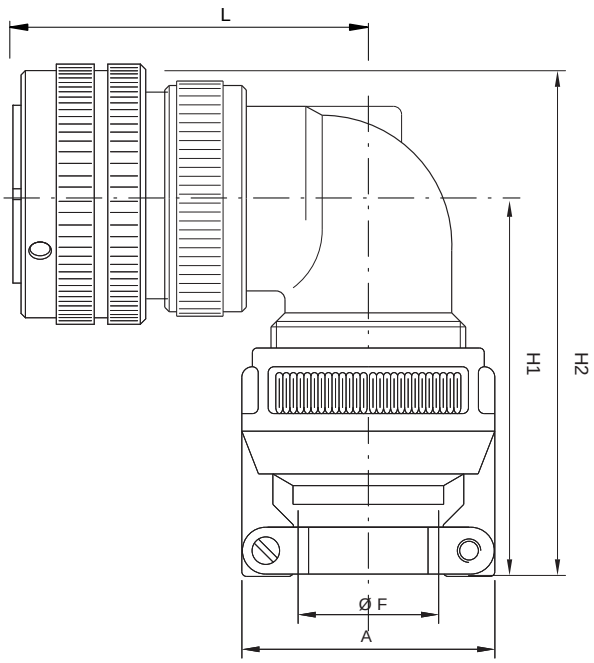
P/N Sample: RF CVB 08DAT 20-27SX M12 CR CD5 F7 N (#) In some sizes the grommet cone is not needed

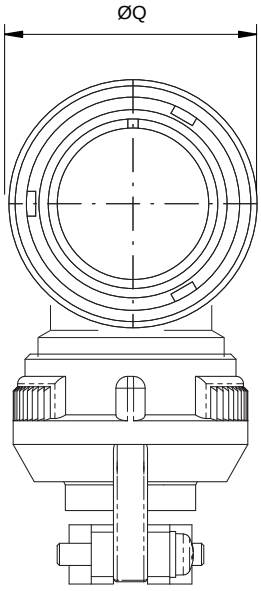
CVB - Bayonet Connector

Plug Connector (98) with 90° Elbow Class (AC - ACF)

Connector provided with grounding finger to guarantee shielding; with 90° elbow provided with MS3057...C type Cable-Clamps (for jacketed cable)







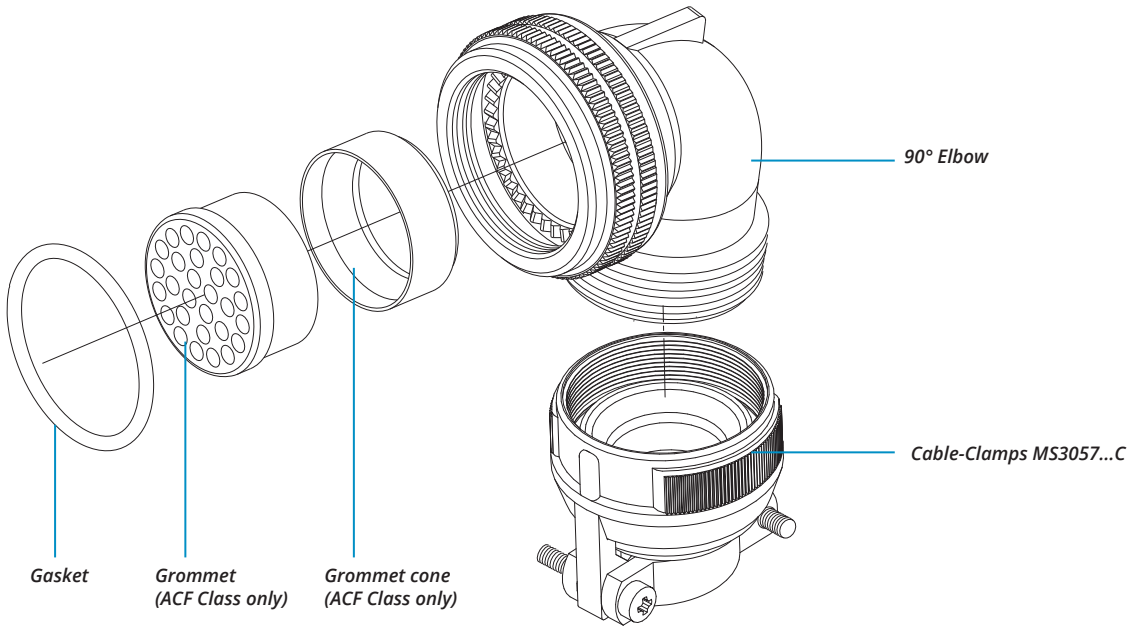
Shell size	ØQ ±0.2	L max	H1 max	H2 max	A max	ØF max cable dimension	
						Min	Max
10SL	23.3	45.5	51	65.3	23	2.4	7.9
14S	29.5	45.5	51	65.3	26	5.8	11.2
16S	33	47	54	69.9	28.5	8	13.5
16	33	56.5	54	69.9	28.5	8	13.5
18	37	57.5	58.5	75.6	32	9.6	15.9
20	41	60	59.5	78.2	37.5	11.3	19
22	43	62.5	61.5	81.8	37.5	11.3	19
24	48	65.5	71.5	93.3	43.5	15.5	23.8
28	53	65.5	73.5	98.5	43.5	15.5	23.8
32	60	70	84	112.1	54	23.4	31.8
36	66.2	73.5	91.5	122.8	58	25.4	35
40	72.4	78.5	98	132.6	63.5	30	41.3

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		98	ACF	T	20-27	S	X		CR	CD5	F4		N
	Series Code		Shell Type	Connector Class								Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
98	Shell Type	98	Plug Connector with grounding finger with 90° elbow
ACF	Connector Class	AC	with waterproof O-ring (IP67)
		ACF	with waterproof O-ring and grommet (IP67) (#)
T	Connector Modification**	T	With plastic caps

20-27	Insert Arrangement		Size - Type
S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F4	Shell finish	F4	CCF - Green passivation - conductive
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

(#) In some sizes the grommet cone is not needed

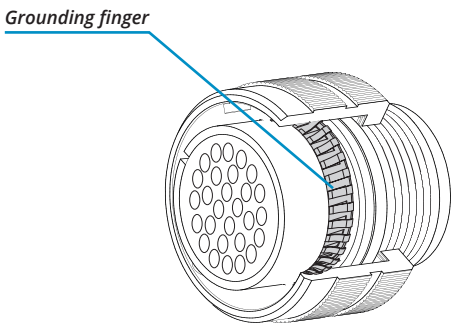
(*) RoHS compliance *(**) If required*

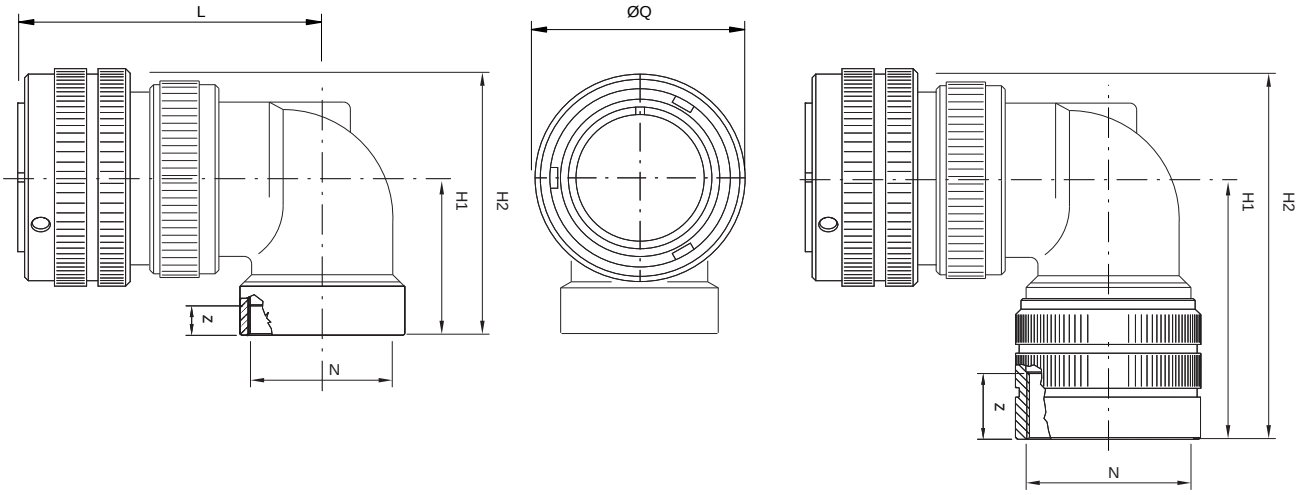
P/N Sample: RF CVB 98ACFT 20-27SX CR CD5 F4 N

CVB - Bayonet Connector

Plug Connector (98) with 90° Elbow Class (DA...M - RA...M - DA...PG - RA...PG)

Connector provided with grounding finger to guarantee shielding;
with 90° elbow provided with an internal Metric or PG thread suitable for Cable-Glands or conduit adapters.





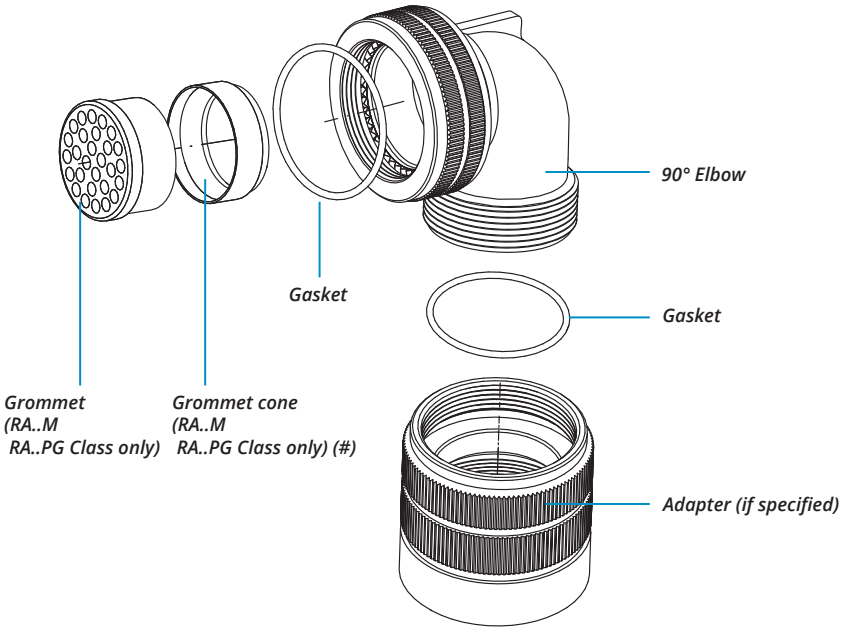
			Without adapter					With adapter				
Shell size	ØQ ±0.2	L max	Z min	H1 max	H2 max	N Backshell Thread		Z min	H1 max	H2 max	N Thread	
						Metric	PG				Metric	PG
10SL	23.3	45.5	7	26	40.3	M16	PG9	12	56	68	M12-M20	PG7-PG11-PG16
14S	29.5	45.5	7	26	40.3	M16	PG9	12	56	70.3	M12-M20	PG7-PG11-PG16
16S	33	47	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
16	33	56.5	9	27	44	M20	-	6.5	58	73.9	M16	PG11-PG13,5-PG16
18	37	57.5	7	31	48.1	M20	PG16	12	60	75.2	M25	PG13.5-PG21
20	41	60	7	33	51.7	M25	-	12	62	80.7	M16-M20-M32	PG13.5-PG16-PG21-PG29
22	43	62.5	7	35	55.3	M25	PG21	12	65	85.3	M16-M20-M32	PG13.5-PG16-PG29
24	48	65.5	7	38	59.8	M32	PG21	15	69	90.8	M20-M25-M40	PG13.5-PG16-PG29
28	53	65.5	7	40	65	M32	PG21	15	72	97	M20-M25-M40	PG29-PG36
32	60	70	-	-	-	-	-	15	78	106.1	M25-M32-M40	PG21-PG29-PG36
36	66.2	73.5	-	-	-	-	-	15	81	112.3	M32-M40	PG21-PG29-PG36
40	72.4	78.5	-	-	-	-	-	15	85	119.6	M32-M40-M50	PG29-PG36-PG42

Dimensions in mm

Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		98	DA	T	20-27	S	X	M12	CR	CD5	F4		N
	Series Code		Shell Type	Connector Class					Backshell internal thread			Shell finish		



RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
	Shell Material	-	Aluminum
98	Shell Type	98	Plug Connector with grounding finger with 90° elbow
DA	Connector Class	DA	with waterproof O-ring (IP67***)
		RA	with waterproof O-ring and grommet (IP67***) (#)
T	Connector Modification**	T	With plastic caps
20-27	Insert Arrangement		Size - Type

S	Contact Gender	S	Socket contacts
		P	Pin contacts
X	Polarization Code**		Alternate Positions
M12	Backshell nternal thread	M	Provided with an internal Metric thread
		PG	Provided with an internal PG thread
CR	Contact Termination	-	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F4	Shell finish	F4	CCF - Green passivation - conductive
		F16	CCF - Black passivation (*) - conductive
N	Modification Code**	N	Consult our sales office
		S	

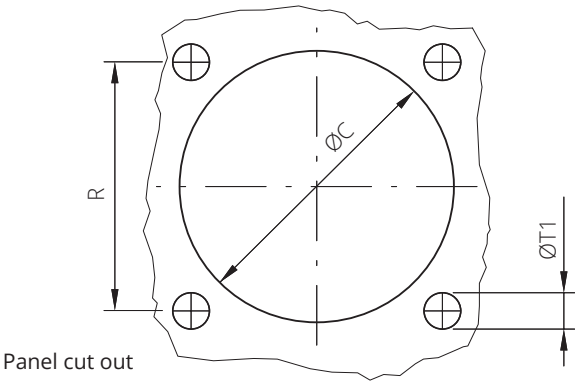
*** Protection degree: IP 67 (only in the mating area with mated connectors) according to EN 60529 (*) RoHS compliance (**) If required

P/N Sample: RF CVB 98DAT 20-27SX M12 CR CD5 F4 N

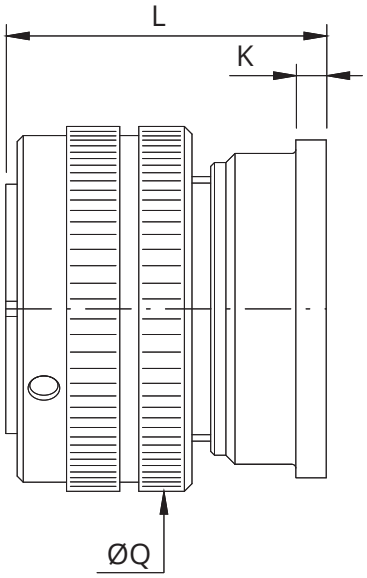
(#) In some sizes the grommet cone is not needed

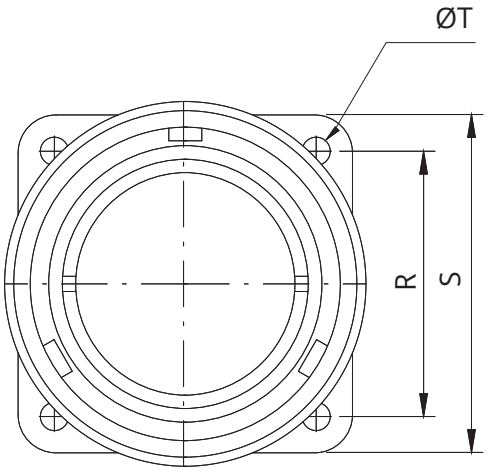
CVB - Bayonet Connector

Front Mounting Receptacle (26) unable to Accept Rear Accessories



Panel cut out





Shell size	L	K ±0.2	ØQ	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes	ØC ±0.2
10SL	37	2.8	23.2	18.2	25.4	3.1	3.4	17
14S	37.2	3.2	29.5	23	30.2	3.1	3.4	20
16S	37.2	3.2	33	24.6	32.5	3.1	3.4	23
16	38.3	3.2	33.6	24.6	32.5	3.1	3.4	23
18	38.3	4	37	27	34.9	3.1	3.4	26.5
20	38.3	4	41	29.4	38.1	3.1	3.4	30
22	38.3	4	43	31.8	41	3.1	3.4	33
24	40.8	4	48	34.9	44.5	3.7	3.9	36
28	41	4	53	39.7	50.8	3.7	3.9	42
32	43.9	4	60	44.5	57	4.4	4.5	48.5
36	45	4	66.2	49.2	63.5	4.4	4.5	55
40	45	4	72.4	55.6	69.8	4.4	4.5	61

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB		26		T	20-27	S	X		CR	CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	**Insulating material**	**-**	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	**Series Code**	**CVB**	Bayonet Connector
	Shell Material	**-**	Aluminum
26	**Shell Type**	**26**	Front mounting receptacle connector with coupling nut, unable to accept rear accessories
T	**Connector Modification****	**T**	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	**Insert Arrangement**		Size - Type
S	**Contact Gender**	**S**	Socket contacts
		P	Pin contacts
X	**Polarization Code****		Alternate Positions
CR	**Contact Termination**	**-**	Solder contacts
		CR	Crimp contacts
		LC	Less contacts
		DS	PCB contacts
CD5	**Contact Plating**	**-**	Silver plating
		CD5	Gold plating
F7	**Shell finish**	**F5**	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
G	**Panel Gasket**	**-**	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket
N	**Modification Code****	**N**	Consult our sales office
		S	

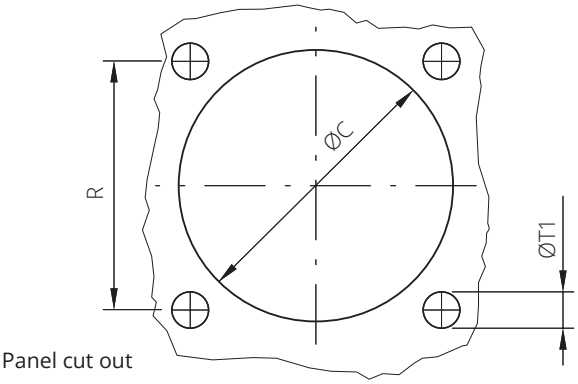
P/N Sample: RF CVB 26T 20-27SX CR CD5 F7 G N

(*) RoHS compliance *(**) If required*

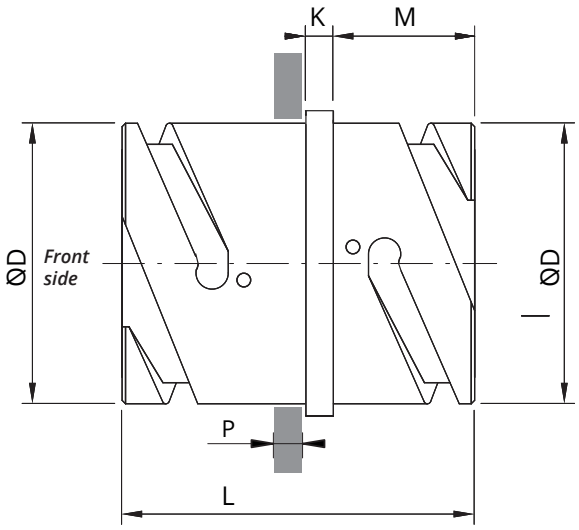
CVB - Bayonet Connector

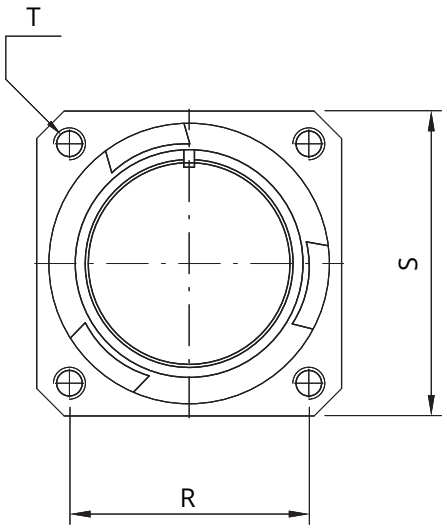
Through-Bulkhead Connector (TB)

Available in the following versions: pin-socket contacts, pin-pin or socket-socket contacts.



Panel cut out





In case of PS contact gender, Socket in Front side.

Shell size	ØD +0 -0.15	L	K ±0.2	M ±0.2	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Threaded holes	ØC ±0.2	P Panel Thickness Max Through bulkhead, gasket side mounting connectors
10SL	18.2	37.5	2.8	14.2	18.2	25.4	M4	4.5	19.1	10
14S	24.6	37.5	3.2	14.2	23	30.2	M4	4.5	25.5	9.6
16S	27.4	37.5	3.2	14.2	24.6	32.5	M4	4.5	28.3	9.6
16	27.4	51.4	3.2	19	24.6	32.5	M4	4.5	28.3	13.8
18	30.8	51.4	4	19	27	34.9	M4	4.5	31.7	13
20	34.2	51.6	4	19	29.4	38.1	M4	4.5	35	13
22	37.4	51.4	4	19	31.8	41	M4	4.5	38.3	12.25
24	40.9	51.4	4	20.6	34.9	44.5	M4	4.5	41.8	11.25
28	46.7	51.4	4	20.6	39.7	50.8	M5	5.5	47.6	12.4
32	53.4	51.4	4	22.2	44.5	57	M5	5.5	54.3	9
36	59.6	51.4	4	22.2	49.2	63.5	M5	5.5	60.5	8.3
40	65.5	51.4	4	22.2	55.6	69.8	M5	5.5	66.4	9

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

RF	CVB	303	TB		T	20-27	PS	X			CD5	F7	G	N
	Series Code	Shell Material	Shell Type									Shell finish		

RF	Insulating material	-	Chloroprene rubber
		V	Fluoride rubber
		S	Silicone rubber
		RF	Fire resistant rubber
CVB	Series Code	CVB	Bayonet Connector
303	Shell Material	-	Aluminum
		303	Stainless Steel
TB	Shell Type	TB	Through-bulkhead connector.
T	Connector Modification**	T	With plastic caps
		-	Receptacle connector with threaded holes
		FP	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20-27	Insert Arrangement		Size - Type
PS	Contact Gender	PS	Pin + Socket contacts
		SS***	Socket + Socket contacts
		PP	Pin + Pin contacts
X	Polarization Code**		Alternate Positions
CD5	Contact Plating	-	Silver plating
		CD5	Gold plating
F7	Shell finish	F4	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
G	Panel Gasket	-	Without gasket
		G	Supplied with panel gasket (IP67)
		G2	Supplied with shielded panel gasket (IP54)
N	Modification Code**	N S	Consult our sales office

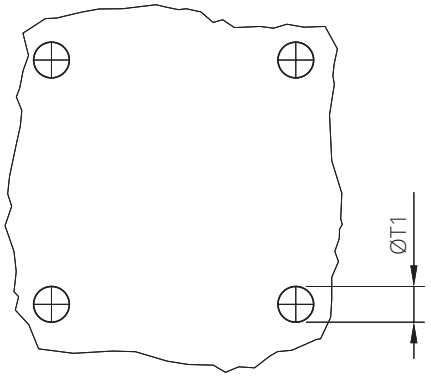
P/N Sample: RF CVB TBT 20-27PSX CD5 F7 G N

*(*) RoHS compliance (**) If required *** On request*

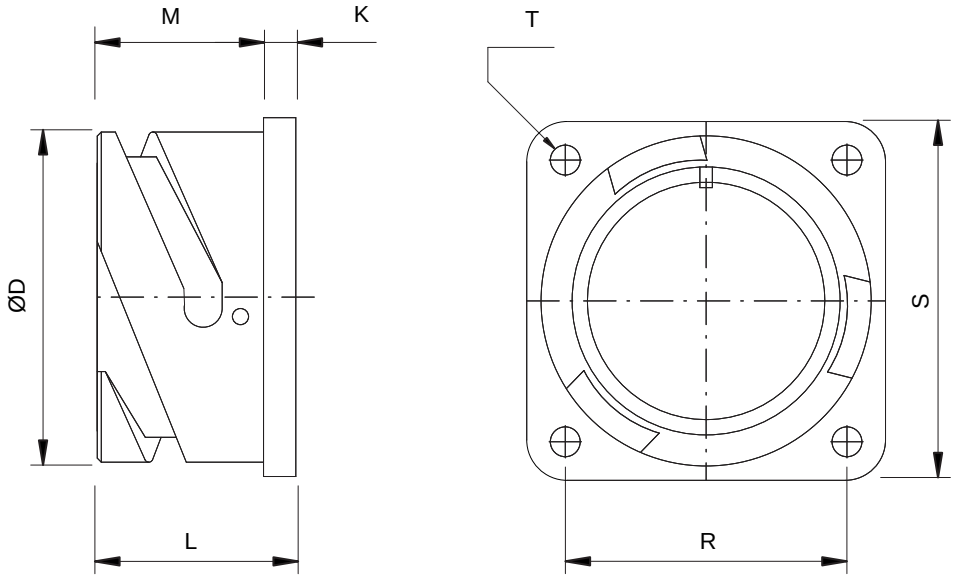
CVB - Bayonet Connector

Dummy Receptacle Connector (05)

Useful to hold the plug connectors when not in use.



Panel cut out



Shell size	ØD +0 -0.15	L	K ±0.2	M ±0.2	R ±0.1	S ±0.3	ØT ±0.2	ØT1 Through holes
10SL	18.2	17	2.8	14.2	18.2	25.4	3.1	3.4
14S	24.6	17.7	3.2	14.5	23	30.2	3.1	3.4
16S	27.4	17.4	3.2	14.2	24.6	32.5	3.1	3.4
16	27.4	22.2	3.2	19	24.6	32.5	3.1	3.4
18	30.8	23	4	19	27	34.9	3.1	3.4
20	34.2	23	4	19	29.4	38.1	3.1	3.4
22	37.4	23.7	4	19.7	31.8	41	3.1	3.4
24	40.9	24.6	4	20.6	34.9	44.5	3.7	3.9
28	46.7	24.6	4	20.6	39.7	50.8	3.7	3.9
32	53.4	26.2	4	22.2	44.5	57	4.4	4.5
36	59.6	26.2	4	22.2	49.2	63.5	4.4	4.5
40	65.5	26.2	4	22.2	55.6	69.8	4.4	4.5

Dimensions in mm

Dimension "L" can be different from the value indicated according to wires size and some special insert configurations.

CVB - Bayonet Connector

	CVB	303	05		T	20						F7		S
	Series Code	Shell Material	Shell Type									Shell finish		

CVB	**Series Code**	**CVB**	Bayonet Connector
303		**-**	Aluminum
		303	Stainless Steel
		316	Stainless Steel
05	**Shell Type**	**05**	Dummy Receptacle Connector
T	**Connector Modification****	**T**	With plastic caps
		FF	Receptacle connector with threaded holes
		-	Receptacle connector with through holes
		FS	Receptacle connector with countersunk holes
20	**Shell size**		
F7	**Shell finish**	**F4**	CCF - Green passivation - conductive
		F5	Electroless nickel (*)
		F7	Black epoxy varnish (*)
		F16	CCF - Black passivation (*) - conductive
		F26	hard anodization (*)
		F30	colorless passivation for stainless steel (*)
S	**Modification Code****	**S**	Consult our sales office

P/N Sample: CVB 05T 20 F7 N

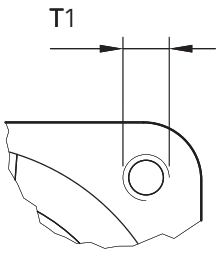
(*) RoHS compliance *(**) If required*

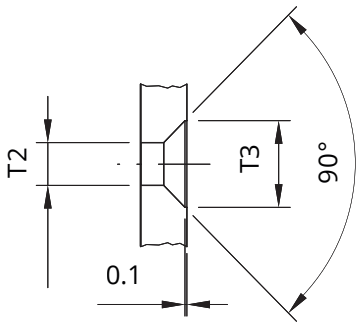
Connector Shell - Receptacle mounting holes option

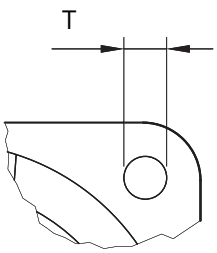
The front/rear mounting panel connectors as well as through-bulkhead connectors and dummy receptacles can be also supplied with different mounting holes. Please refer to the dimensional tables below.

	CVB		00	DA	FF	20-27	S			CR		F7		

FF Connector Modification		
	FF	Receptacle connector with threaded holes (to specify for 00/02/020/05 shell only)
	FP	Receptacle connector with through holes (to specify for 03/030/038/TB shell only)
	FS	Receptacle connector with countersunk holes







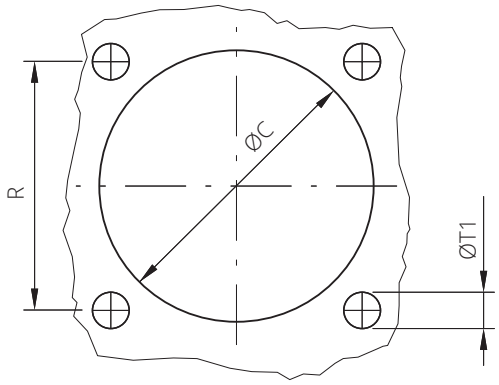
Shell size	Front mounting panel connectors Shell version: 00 - 020 - 02 - 05			
	Threaded holes FF	Countersunk holes FS		Through holes Standard Version
	T1	T2	T3	T
10SL	M4	3.2	6.5	3.1
14S	M4	3.2	6.5	3.1
16S	M4	3.2	6.5	3.1
16	M4	3.2	6.5	3.1
18	M4	3.2	6.5	3.1
20	M4	3.2	6.5	3.1
22	M4	3.2	6.5	3.1
24	M5*	3.7	7.5	3.7
28	M5	3.7	7.5	3.7
32	M5	4.3	8	4.4
36	M5	4.3	8.5	4.4
40	M5	4.3	8.5	4.4
GVJ	-	-	-	8.5

** M5 front mounting panel, M4 Real mounting panel*

Shell size	Rear mounting panel connectors Shell version: 03 - 030 - 038 - TB			
	Through holes FP - T	Threaded holes Standard Version T1	Threaded holes FF - T1	Through holes Standard Version T
10SL	3.2	M4	-	-
14S	3.2	M4	-	-
16S	3.2	M4	-	-
16	3.2	M4	-	-
18	3.2	M4	-	-
20	3.2	M4	-	-
22	3.2	M4	-	-
24	3.7	M4*	-	-
28	3.7	M5	-	-
32	4.3	M5	-	-
36	4.3	M5	-	-
40	4.3	M5	-	-
GVJ	-	-	M8	8.5

Dimensions in mm

Connector Shell - Panel drilling dimensions



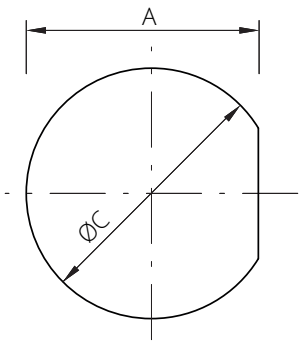
Panel cut out

Shell size	R	Shell version: 00 - 020 - 02 *			Shell version: 03 - 030 - 038 - TB		
		ØC ±0.2	**ØT1** for FP Through holes (standard hole) and FS Countersunk holes	**ØT1** for FF Threaded holes	**ØC** ±0.2	**ØT1** for FF Threaded holes (standard hole)	**ØT1** for FP Through holes
10SL	18.2	17	3.4	4.5	19.1	4.5	3.4
14S	23	20	3.4	4.5	25.5	4.5	3.4
16S	24.6	23	3.4	4.5	28.3	4.5	3.4
16	24.6	23	3.4	4.5	28.3	4.5	3.4
18	27	26.5	3.4	4.5	31.7	4.5	3.4
20	29.4	30	3.4	4.5	35	4.5	3.4
22	31.8	33	3.4	4.5	38.3	4.5	3.4
24	34.9	36	3.9	5.5	41.8	4.5	3.9
28	39.7	42	3.9	5.5	47.6	5.5	3.9
32	44.5	48.5	4.5	5.5	54.3	5.5	4.5
36	49.2	55	4.5	5.5	60.5	5.5	4.5
40	55.6	61	4.5	5.5	66.4	5.5	4.5
GVJ	90	76	9	-	91.8	8.5 (on request)	9 (standard)

** For use with backshell mounted and accessories, consult our sales office.*

Shell size	Shell version: 07 - 070 - 078	
	ØC -0 +0.25	**A** +0 -0.35
10SL	22.4	21
14S	28.75	27.4
16S	31.95	30.95
16	31.95	30.95
18	35.1	33.75
20	38.3	36.85
22	41.45	40.05
24	44.65	43.35
28	51	49.55
32	57.35	55.95
36	63.7	62.35
40	70.05	68.55

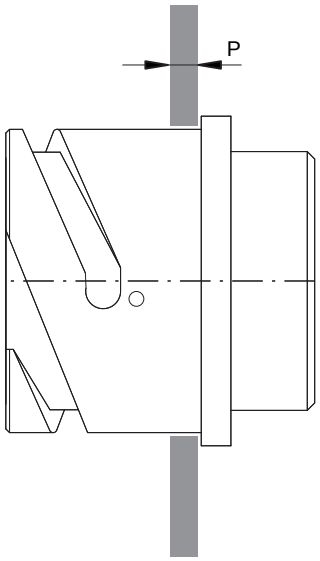
Dimensions in mm



Panel cut out

If required the nut can be lock with optional screws

Connector Shell - Mounting panel characteristics



Shell size	P Panel Thickness *			
	Shell version: 03 - 030 - 038 Rear Mounting Panel Connectors	**Shell version: 07 - 070 - 078** Jam Nut Rear Mounting Panel Connectors		**Shell version: TB** Through bulkhead, gasket side mounting connectors
	Max	Min	Max	Max
10SL	6	2.4	5.2	10
14S	7.2	2.7	7.5	9.6
16S	7.2	2.4	7.5	9.6
16	5.35	2.4	7.5	13.8
18	7.25	2.4	9	13
20	7.3	2.4	8.1	13
22	7.3	2.4	9.1	12.25
24	6.85	2.4	9.1	11.25
28	7.8	2.4	8.5	12.4
32	7.5	2.4	6.5	9
36	7.5	2.4	8.3	8.3
40	7.5	2.4	8.3	9
GVJ	10	-	-	-

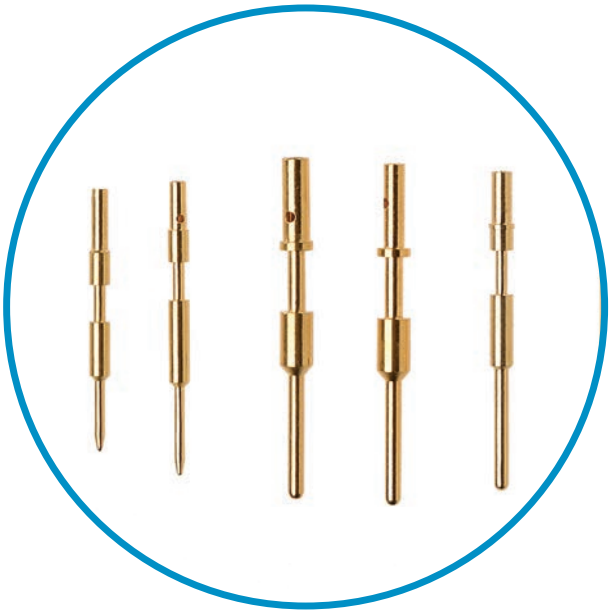
** For use with no rubber covered nut*
For use with shell type GG coupling nut rubber covered (or shell type 61 or 81), please consult our sales office.

Dimensions in mm

Contacts - Part number explanation

ST	485	XX	L	XX	S	CLE	CD5	N_

P/N Sample: ST485 16-13S CD5



Contact	AWG	Rated Current**
20	26	2A
20	24	3A
20	22	5A
20	20	7,5A
18	20	10A
16	20	7,5A
16	18	10A
16	16	13A
16	12	13A
12	20	7,5A
12	18	7,5A
12	16	13A
12	14	17A
12	12	23A
8	16	13A
8	12	23A
8	10	33A
8	8	46A
4	10	33A
4	6	60A
4	4	80A
0	8	46A
0	2	100A
0	0	150A
4/0	0	150A
4/0	4/0	225A

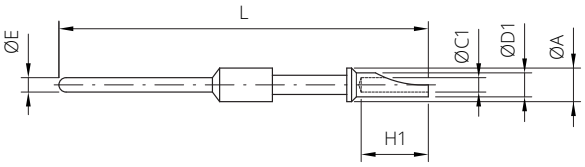
*** Valid for ambient temperature at 80°C*

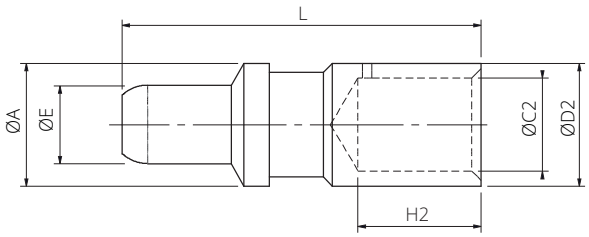
ST	**Contact Type**	**ST**	Contact for rubber insert
		KT	Contact for thermoplastic insert
		CC	Coaxial contact
		TC1 - TC2 - TC3 - TC4	Contact for thermocouple
485	**Contact Termination**	**385**	Solder
		485	Crimp
		585	For Lug
XX	**Contact Size #**	**xx**	Contact size
L	**Connection type**	**L**	With Louver
XX	**Non-standard diameter**	**xx**	For special wires
S	**Contact Gender**	**S**	Socket
		P	Pin
CLE	**Variation**	**TP**	Touch Proof
		CLE	Close Entry
		FM	FMLB (long contacts)
		AO	Advance opening (short contacts)
CD5	**Contact Plating**	**-**	Silver Plated
		CD5	Gold Plated
N_	**Modification Code**	**Nxx**	Modification Code

 # The creepage distance is reduced for the insert with contacts for larger wires than the standard ones. Consult our commercial office for Service Rating.
The contacts with reduced ØD for smaller wire may be a sealing problem with grommets.
The contacts with enlarged ØD for larger wires may be difficulties with grommets. Please contact our sales office.

Solder Contacts - ST - For Rubber insert

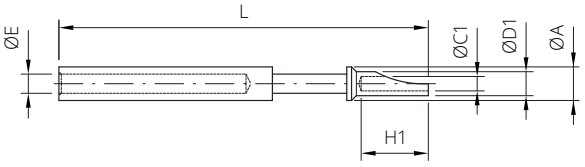
Pin Contacts - Silver Plated

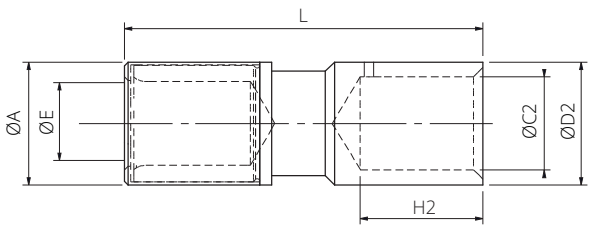




Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
16S	VS702001	ST385 16SP	18÷16	3.2	1.58	1.8	-	2.6	-	5.5	-	25.7
16	VS702002	ST385 16P	18÷16	3.2	1.58	1.8	-	2.6	-	7	-	32.1
12	VS702003	ST385 12P	12	4.8	2.38	2.9	-	3.7	-	8	-	36.6
8	VS702004	ST385 8P	8	7.8	3.6	-	5.3	-	6.6	-	12.6	36.6
4	VS702005	ST385 4P	4	11	5.7	-	8.5	-	10	-	16.5	36.6
0	VS702006	ST385 0P	0	15.1	9.05	-	11.5	-	14	-	14	44.5

Socket Contacts - Silver Plated



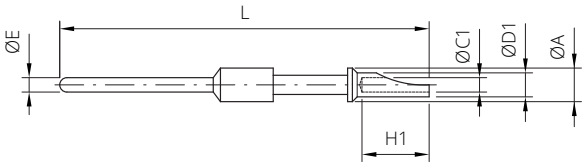


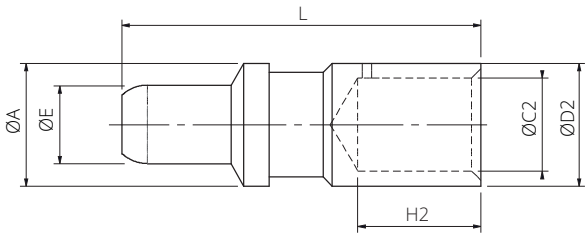
Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
16S	VS702011	ST385 16SS	18÷16	3.2	1.65	1.8	-	2.6	-	5.5	-	25.4
16	VS702012	ST385 16S	18÷16	3.2	1.65	1.8	-	2.6	-	7	-	36.6
12	VS702013	ST385 12S	12	4.8	2.48	2.9	-	3.7	-	8	-	36.6
8	VS702014	ST385 8S	8	7.8	3.7	-	5.25	-	6.55	-	12.7	36.6
4	VS702015	ST385 4S	4	11	5.8	-	8.5	-	10	-	12	36.6
0	VS702016	ST385 0S	0	15.1	9.17	-	11.5	-	14	-	14	44.5

Dimensions in mm

Solder Contacts - ST - For Rubber insert

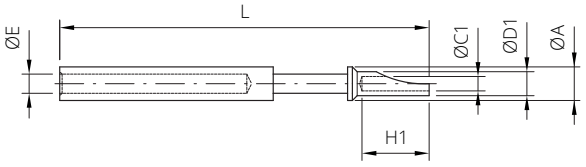
Pin Contacts - Gold Plated

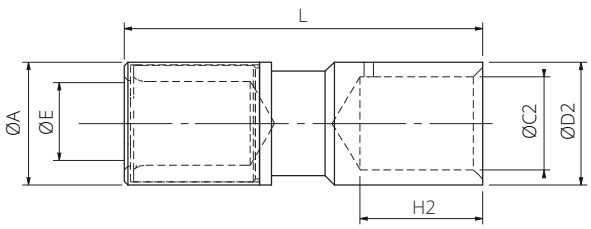




Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
16S	VS702021	ST385 16SP CD5	18÷16	3.2	1.58	1.8	-	2.6	-	5.5	-	25.7
16	VS702022	ST385 16P CD5	18÷16	3.2	1.58	1.8	-	2.6	-	7	-	32.1
12	VS702023	ST385 12P CD5	12	4.8	2.38	2.9	-	3.7	-	8	-	36.6
8	VS702024	ST385 8P CD5	8	7.8	3.6	-	5.3	-	6.6	-	12.6	36.6
4	VS702025	ST385 4P CD5	4	11	5.7	-	8.5	-	10	-	16.5	36.6
0	VS702026	ST385 0P CD5	0	15.1	9.05	-	11.5	-	14	-	14	44.5

Socket Contacts - Gold Plated



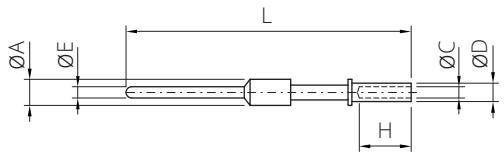


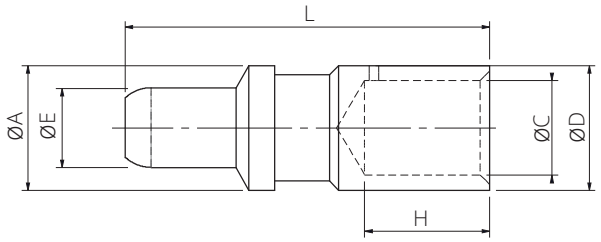
Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
16S	VS702031	ST385 16SS CD5	18÷16	3.2	1.65	1.8	-	2.6	-	5.5	-	25.4
16	VS702032	ST385 16S CD5	18÷16	3.2	1.65	1.8	-	2.6	-	7	-	36.6
12	VS702033	ST385 12S CD5	12	4.8	2.48	2.9	-	3.7	-	8	-	36.6
8	VS702034	ST385 8S CD5	8	7.8	3.7	-	5.25	-	6.55	-	12.7	36.6
4	VS702035	ST385 4S CD5	4	11	5.8	-	8.5	-	10	-	12	36.6
0	VS702036	ST385 0S CD5	0	15.1	9.17	-	11.5	-	14	-	14	44.5

Dimensions in mm

Crimp Contacts - ST - For Rubber insert

Pin Contacts - Silver Plated





	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
	20	VS701600	ST485 20P/1(a)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	32.5
	20	VS701601	ST485 20P/2(b)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	24.6
	20	VS701602	ST485 20P/3(C)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	29.9
	18	VS701603	ST485 18P	0.15÷0.6	26÷20	2.2	1.42	1.3	1.93	4.5	29.6
	16S	VS701604	ST485 16SP	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	26.6
●	16S	VS701655	ST485 16S-11P #	0.25÷0.5	22-20	3.2	1.58	1.1	2.15	6.5	26.6
	16S	VS701605	ST485 16S-12P #	0.15÷0.75	20	3.2	1.58	1.2	2.6	6.5	26.6
	16S	VS701607	ST485 16S-15P #	0.75÷1	18	3.2	1.58	1.5	2.6	6.5	26.6
●	16S	VS701656	ST485 16S-17P #	0.75	-	3.2	1.58	1.75	2.62	6.5	26.6
●	16S	VS701660	ST485 16S-19P #	1.5÷2.5	16÷14	3.2	1.58	1.9	2.5	6.5	26.6
	16S	VS701608	ST485 16S-20P #	1÷2	18÷14	3.2	1.58	2	2.9	6.5	26.6
	16S	VS701609	ST485 16S-26P #	2.5÷3	12	3.2	1.58	2.5	3.8	7	27
	16	VS701610	ST485 16P	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	31.75
	16	VS701611	ST485 16-08P** #	0.15÷0.2	26÷24	3.2	1.58	0.85	1.55	6.35	31.75
	16	VS701612	ST485 16-12P #	0.15÷0.75	20	3.2	1.58	1.2	2.6	6.35	31.75
	16	VS701613	ST485 16-13P #	0.15÷0.6	26÷20	3.2	1.58	1.3	1.93	6.35	31.75
●	16	VS701659	ST485 16-14P #	0.75	18	3.2	1.58	1.35	2.2	6.4	31.75
	16	VS701614	ST485 16-15P #	0.75÷1	18	3.2	1.58	1.5	2.6	6.35	31.75
●	16	VS701661	ST485 16-17P #	0.5÷1.5	20÷16	3.2	1.58	1.7	2.3	6.36	36.5
●	16	VS701662	ST485 16-19P #	1.5÷2.5	16÷14	3.2	1.58	1.9	2.5	6.36	36.5
	16	VS701615	ST485 16-20P #	1÷2	18÷14	3.2	1.58	2	2.9	6.35	31.75
	16	VS701616	ST485 16-26P #	2.5÷3	12	3.2	1.58	2.5	3.8	7	31.75
●	12	VS701657	ST485 12-11P #	0.5	22-20	4.8	2.38	1.1	3	8.5	37.5
	12	VS701617	ST485 12-12P #	0.15÷0.75	20	4.8	2.38	1.2	2.6	8.5	37.5
	12	VS701618	ST485 12-15P #	0.75÷1	18	4.8	2.38	1.5	3.4	8.5	37.5
	12	VS701619	ST485 12-20P #	1÷2	18÷14	4.8	2.38	2	3.8	6.5	37.5
	12	VS701620	ST485 12-22P #	2.5	-	4.8	2.38	2.2	3.8	8.5	37.5
	12	VS701621	ST485 12P	3	12	4.8	2.38	2.5	3.8	8.5	37.5
	12	VS701622	ST485 12-30P #	4	-	4.8	2.38	3	4.8	8.5	37.5
	12	VS701623	ST485 12-38P #	6	-	4.8	2.38	3.6	4.8	8	37.5
	8	VS701624	ST485 8P	-	8	7.8	3.6	4.55	6.8	12.2	40.7
	8	VS701625	ST485 8-15P** #	1	18	7.8	3.6	1.5	3.4	8.5	40.7
	8	VS701626	ST485 8-18P** #	1÷2	18÷14	7.8	3.6	1.8	3.8	8.5	40.7
●	8	VS701646	ST485 8-22P #	2.5	-	7.8	3.6	2.2	3.8	12.2	40.7
●	8	VS701647	ST485 8-26P #	3	12	7.8	3.6	2.5	3.8	12.2	40.7
	8	VS701627	ST485 8-30P #	4	-	7.8	3.6	3	4.8	8.3	40.7
	8	VS701628	ST485 8-38P #	6	10	7.8	3.6	3.6	6.8	12.2	40.6
	8	VS701629	ST485 8-50P #	10	-	7.8	3.6	5	6.8	12.2	40.7
	4	VS701630	ST485 4P	22	4	11	5.7	7.1	9.55	12.2	41.25
	4	VS701631	ST485 4-26P** #	3	-	11	5.7	2.5	3.8	8.5	41.25
	4	VS701632	ST485 4-30P** #	4	-	11	5.7	3	4.8	8.5	41.25
●	4	VS701648	ST485 4-38P #	6	10	11	5.7	3.6	6.8	12.2	41.25
	4	VS701633	ST485 4-50P #	10	-	11	5.7	5	6.8	12.2	41.25
	4	VS701634	ST485 4-58P #	-	6	11	5.7	5.8	7.8	12.2	41.25
	4	VS701635	ST485 4-62P #	16	-	11	5.7	6.2	9.5	12.2	41.25
●	4	VS701649	ST485 4-78P #	25	-	11	5.7	7.8	9.55	12.2	41.25
●	4	VS701650	ST485 4-90P #	35	2	11	5.7	9	14.35	14	41.25
	0	VS701636	ST485 0P	53	0	15.1	9.05	11.5	14.35	14.5	45
	0	VS701637	ST485 0-45P #	-	8	15.1	9.05	4.55	6.8	12.2	44.5
●	0	VS701658	ST485 0-50P #	10	-	15.1	9.05	5	7	12.2	44.5
●	0	VS701651	ST485 0-58P #	-	6	15.1	9.05	5.8	7.8	14	44.5
●	0	VS701652	ST485 0-62P #	16	-	15.1	9.05	6.2	9.5	12.2	44.5
	0	VS701638	ST485 0-78P #	25	-	15.1	9.05	7.8	9.5	14	44.5
●	0	VS701653	ST485 0-80P #	-	3	15.1	9.05	8	10	14	44.5
	0	VS701639	ST485 0-90P #	35	2	15.1	9.05	9	14.35	13.6	44.5
	0	VS701640	ST485 0-107P #	50	-	15.1	9.05	10.7	14.35	14.5	44.5
●	0	VS701654	ST485 0-135P #	67.4	2/0	15.1	9.05	13.5	16.5	18	51.9
●	4/0	VS701641	ST485 4/0-115P #	53	0	20	12.73	11.5	14.35	16.3	58.5
●	4/0	VS701642	ST485 4/0-135P #	67.4	2/0	20	12.73	13.5	16.5	18	58.5
●	4/0	VS701643	ST485 4/0-144P #	70	-	20	12.73	14.4	20	20	58.5
●	4/0	VS701644	ST485 4/0-155P #	95	-	20	12.73	15.2	19.7	20	58.5
●	4/0	VS701645	ST485 4/0P	107÷120	4/0	20	12.73	15.2	19.7	20	58.5

● *New Contacts*

(a) For arrangement 40A201
(b) For arrangements 24A55, 28-72, 32A101 and 28A31
(c) For arrangement 22A24

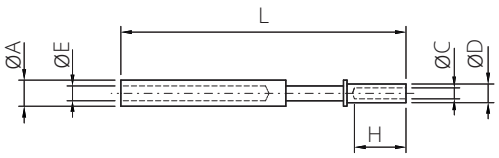
*** On request (please consult our Sales Office)*
 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

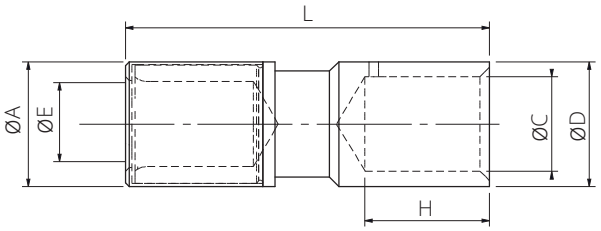
Dimensions in mm

CONTACTS

Crimp Contacts - ST - For Rubber insert

Socket Contacts - Silver Plated





	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
	20	VS701500	ST485 20S(a)** / *	0.15÷0.3	26÷22	2	1.15	0.9	1.6	4	32.5
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	18	VS701503	ST485 18S *	0.15÷0.6	26÷20	2.4	1.46	1.3	1.93	4.5	34.4
	16S	VS701504	ST485 16SS	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.35	26.6
●	16S	VS701555	ST485 16S-11S #	0.25÷0.5	22-20	3.2	1.68	1.1	2.15	6.5	26.6
	16S	VS701505	ST485 16S-12S #	0.15÷0.75	20	3.2	1.68	1.2	2.6	6.5	27
	16S	VS701507	ST485 16S-15S #	0.75÷1	18	3.2	1.68	1.5	2.6	6.5	26.6
●	16S	VS701556	ST485 16S-17S #	0.75	-	3.2	1.68	1.75	2.62	6.5	26.6
●	16S	VS701560	ST485 16S-19S #	1.5÷2.5	16÷14	3.2	1.68	1.9	2.5	6.5	27
	16S	VS701508	ST485 16S-20S #	1÷2	18÷14	3.2	1.68	2	2.9	6.5	27
	16S	VS701509	ST485 16S-26S #	2.5÷3	12	3.2	1.68	2.5	3.8	7	27
	16	VS701510	ST485 16S	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.5	36.5
	16	VS701511	ST485 16-08S** #	0.15÷0.2	26÷24	3.2	1.68	0.85	1.55	6.35	36.5
	16	VS701512	ST485 16-12S #	0.15÷0.75	20	3.2	1.68	1.2	2.6	6.5	36.5
	16	VS701513	ST485 16-13S #	0.15÷0.6	26÷20	3.2	1.68	1.3	1.93	6.35	36.5
●	16	VS701559	ST485 16-14S #	0.75	18	3.2	1.68	1.35	2.2	6.4	36.5
	16	VS701514	ST485 16-15S #	0.75÷1	18	3.2	1.68	1.5	2.6	6.5	36.5
●	16	VS701561	ST485 16-17S #	0.5÷1.5	20÷16	3.2	1.68	1.7	2.3	6.36	36.5
●	16	VS701562	ST485 16-19S #	1.5÷2.5	16÷14	3.2	1.68	1.9	2.5	6.36	36.5
	16	VS701515	ST485 16-20S #	1÷2	18÷14	3.2	1.68	2	2.9	6.5	36.5
	16	VS701516	ST485 16-26S #	2.5÷3	12	3.2	1.68	2.5	3.8	7	36.5
●	12	VS701557	ST485 12-11S #	0.5	22-20	4.8	2.48	1.1	3	8.5	37.5
	12	VS701517	ST485 12-12S #	0.15÷0.75	20	4.8	2.48	1.2	2.6	8.5	37.5
	12	VS701518	ST485 12-15S #	0.75÷1	18	4.8	2.48	1.5	3.4	8.5	37.5
	12	VS701519	ST485 12-20S #	1÷2	18÷14	4.8	2.48	2	3.8	6.5	37.5
	12	VS701520	ST485 12-22S #	2.5	-	4.8	2.48	2.2	3.8	8.5	37.5
	12	VS701521	ST485 12S	3	12	4.8	2.48	2.5	3.8	8.5	37.5
	12	VS701522	ST485 12-30S #	4	-	4.8	2.48	3	4.8	8.5	37.5
	12	VS701523	ST485 12-38S #	6	-	4.8	2.48	3.6	4.8	8.5	37.5
	8	VS701524	ST485 8S	-	8	7.8	3.7	4.55	6.8	12.2	40.7
	8	VS701525	ST485 8-15S** #	1	18	7.8	3.7	1.5	3.4	8.5	40.7
	8	VS701526	ST485 8-18S** #	1÷2	18÷14	7.8	3.7	1.8	3.8	8.5	40.7
●	8	VS701546	ST485 8-22S #	2.5	-	7.8	3.7	2.2	3.8	12.2	40.7
●	8	VS701547	ST485 8-26S #	3	12	7.8	3.7	2.5	3.8	12.2	40.7
	8	VS701527	ST485 8-30S #	4	-	7.8	3.7	3	4.8	8.3	40.7
	8	VS701528	ST485 8-38S #	6	10	7.8	3.7	3.6	6.8	12.2	40.7
	8	VS701529	ST485 8-50S #	10	-	7.8	3.7	5	7	11.5	40.7
	4	VS701530	ST485 4S	22	4	11	5.8	7.1	9.55	12.2	41.2
	4	VS701531	ST485 4-26S** #	3	-	11	5.8	2.5	3.8	8.5	41.2
	4	VS701532	ST485 4-30S** #	4	-	11	5.8	3	4.8	8.5	41.2
●	4	VS701548	ST485 4-38S #	6	10	11	5.8	3.6	6.8	12.2	41.2
	4	VS701533	ST485 4-50S #	10	-	11	5.8	5	6.8	12.2	41.2
	4	VS701534	ST485 4-58S #	-	6	11	5.8	5.8	7.8	12.2	41.2
	4	VS701535	ST485 4-62S #	16	-	11	5.8	6.2	9.5	12.2	41.2
●	4	VS701549	ST485 4-78S #	25	-	11	5.8	7.8	9.5	12.2	41.2
●	4	VS701550	ST485 4-90S #	35	2	11	5.8	9	14.35	14	47
	0	VS701536	ST485 0S	53	0	15.1	10.3	11.5	14.35	14.5	45
	0	VS701537	ST485 0-45S #	-	8	15.1	10.3	4.55	6.8	12.7	45
●	0	VS701558	ST485 0-50S #	10	-	15.1	10.3	5	7	12.2	45
●	0	VS701551	ST485 0-58S #	-	6	15.1	10.3	5.8	7.8	14	45
●	0	VS701552	ST485 0-62S #	16	-	15.1	10.3	6.2	9.5	12.2	45
	0	VS701538	ST485 0-78S #	25	-	15.1	10.3	7.8	9.5	14	45
●	0	VS701553	ST485 0-80S #	-	3	15.1	10.3	8	10	14	45
	0	VS701539	ST485 0-90S #	35	2	15.1	10.3	9	14.35	14	45
	0	VS701540	ST485 0-107S #	50	-	15.1	10.3	10.7	14.35	14.5	45
●	0	VS701554	ST485 0-135S #	67.4	2/0	15.1	10.3	13.5	16.5	18	52
●	4/0	VS701541	ST485 4/0-115S #	53	0	20	13.65	11.5	14.35	17	59
●	4/0	VS701542	ST485 4/0-135S #	67.4	2/0	20	13.65	13.5	16.5	18	59
●	4/0	VS701543	ST485 4/0-144S #	70	-	20	13.65	14.4	20	20	59
●	4/0	VS701544	ST485 4/0-155S #	95	-	20	13.65	15.2	19.7	20	59
●	4/0	VS701545	ST485 4/0S	107÷120	4/0	20	13.65	15.2	19.7	20	59

● *New Contacts* *(a) For all arrangements with contacts size 20* *** On request (please consult our Sales Office)* *Dimensions in mm*

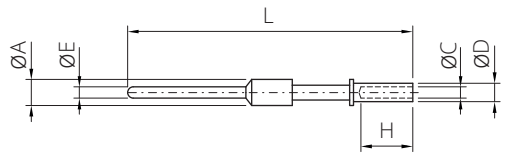
** Close entry contact type*

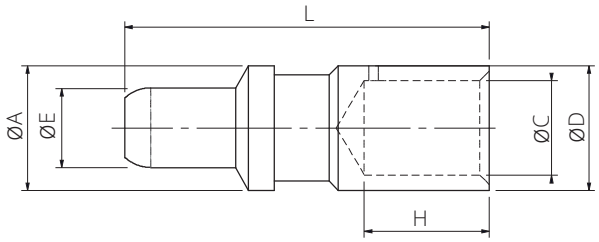
 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

CONTACTS

Crimp Contacts - ST - For Rubber insert

Pin Contacts - Gold Plated





	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
	20	VS701800	ST485 20P/1 CD5 (a)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	32.5
	20	VS701801	ST485 20P/2 CD5 (b)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	24.6
	20	VS701802	ST485 20P/3 CD5 (c)**	0.15÷0.3	26÷22	2	1	0.9	1.6	4	29.9
	18	VS701803	ST485 18P CD5	0.15÷0.6	26÷20	2.2	1.42	1.3	1.93	4.5	29.6
	16S	VS701804	ST485 16SP CD5	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	26.6
●	16S	VS701855	ST485 16S-11P CD5 #	0.25÷0.5	22-20	3.2	1.58	1.1	2.15	6.5	26.6
	16S	VS701805	ST485 16S-12P CD5 #	0.15÷0.75	20	3.2	1.58	1.2	2.6	6.5	26.6
	16S	VS701807	ST485 16S-15P CD5 #	0.75÷1	18	3.2	1.58	1.5	2.6	6.5	26.6
●	16S	VS701856	ST485 16S-17P CD5 #	0.75	-	3.2	1.58	1.75	2.62	6.5	26.6
●	16S	VS701862	ST485 16S-19P CD5 #	1.5÷2.5	16÷14	3.2	1.58	1.9	2.5	6.5	26.6
	16S	VS701808	ST485 16S-20P CD5 #	1÷2	18÷14	3.2	1.58	2	2.9	6.5	26.6
	16S	VS701809	ST485 16S-26P CD5 #	2.5÷3	12	3.2	1.58	2.5	3.8	7	27
	16	VS701810	ST485 16P CD5	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	31.75
	16	VS701811	ST485 16-08P CD5** #	0.15÷0.2	26÷24	3.2	1.58	0.85	1.55	6.35	31.75
	16	VS701812	ST485 16-12P CD5 #	0.15÷0.75	20	3.2	1.58	1.2	2.6	6.35	31.75
	16	VS701813	ST485 16-13P CD5 #	0.15÷0.6	26÷20	3.2	1.58	1.3	1.93	6.35	31.75
●	16	VS701859	ST485 16-14P CD5 #	0.75	18	3.2	1.58	1.35	2.2	6.4	31.75
	16	VS701814	ST485 16-15P CD5 #	0.75÷1	18	3.2	1.58	1.5	2.6	6.35	31.75
●	16	VS701863	ST485 16-17P CD5 #	0.5÷1.5	20÷16	3.2	1.58	1.7	2.3	6.36	36.5
●	16	VS701864	ST485 16-19P CD5 #	1.5÷2.5	16÷14	3.2	1.58	1.9	2.5	6.36	36.5
	16	VS701815	ST485 16-20P CD5 #	1÷2	18÷14	3.2	1.58	2	2.9	6.35	31.75
	16	VS701816	ST485 16-26P CD5 #	2.5÷3	12	3.2	1.58	2.5	3.8	7	31.75
●	12	VS701857	ST485 12-11P CD5 #	0.5	22-20	4.8	2.38	1.1	3	8.5	37.5
	12	VS701817	ST485 12-12P CD5 #	0.15÷0.75	20	4.8	2.38	1.2	2.6	8.5	37.5
	12	VS701818	ST485 12-15P CD5 #	0.75÷1	18	4.8	2.38	1.5	3.4	8.5	37.5
	12	VS701819	ST485 12-20P CD5 #	1÷2	18÷14	4.8	2.38	2	3.8	6.5	37.5
	12	VS701820	ST485 12-22P CD5 #	2.5	-	4.8	2.38	2.2	3.8	8.5	37.5
	12	VS701821	ST485 12P CD5	3	12	4.8	2.38	2.5	3.8	8.5	37.5
	12	VS701822	ST485 12-30P CD5 #	4	-	4.8	2.38	3	4.8	8.5	37.5
	12	VS701823	ST485 12-38P CD5 #	6	-	4.8	2.38	3.6	4.8	8	37.5
	8	VS701824	ST485 8P CD5	-	8	7.8	3.6	4.55	6.8	12.2	40.7
	8	VS701825	ST485 8-15P CD5** #	1	18	7.8	3.6	1.5	3.4	8.5	40.7
	8	VS701826	ST485 8-18P CD5** #	1÷2	18÷14	7.8	3.6	1.8	3.8	8.5	40.7
●	8	VS701846	ST485 8-22P CD5 #	2.5	-	7.8	3.6	2.2	3.8	12.2	40.7
●	8	VS701847	ST485 8-26P CD5 #	3	12	7.8	3.6	2.5	3.8	12.2	40.7
	8	VS701827	ST485 8-30P CD5 #	4	-	7.8	3.6	3	4.8	8.3	40.7
	8	VS701828	ST485 8-38P CD5 #	6	10	7.8	3.6	3.6	6.8	12.2	40.6
	8	VS701829	ST485 8-50P CD5 #	10	-	7.8	3.6	5	6.8	12.2	40.7
	4	VS701830	ST485 4P CD5	22	4	11	5.7	7.1	9.55	12.2	41.25
	4	VS701831	ST485 4-26P CD5** #	3	-	11	5.7	2.5	3.8	8.5	41.25
	4	VS701832	ST485 4-30P CD5** #	4	-	11	5.7	3	4.8	8.5	41.25
●	4	VS701848	ST485 4-38P CD5 #	6	10	11	5.7	3.6	6.8	12.2	41.25
	4	VS701833	ST485 4-50P CD5 #	10	-	11	5.7	5	6.8	12.2	41.25
	4	VS701834	ST485 4-58P CD5 #	-	6	11	5.7	5.8	7.8	12.2	41.25
	4	VS701835	ST485 4-62P CD5 #	16	-	11	5.7	6.2	9.5	12.2	41.25
●	4	VS701849	ST485 4-78P CD5 #	25	-	11	5.7	7.8	9.55	12.2	41.25
●	4	VS701850	ST485 4-90P CD5 #	35	2	11	5.7	9	14.35	14	41.25
	0	VS701836	ST485 0P CD5	53	0	15.1	9.05	11.5	14.35	14.5	45
	0	VS701837	ST485 0-45P CD5 #	-	8	15.1	9.05	4.55	6.8	12.2	44.5
●	0	VS701858	ST485 0-50P CD5 #	10	-	15.1	9.05	5	7	12.2	44.5
●	0	VS701851	ST485 0-58P CD5 #	-	6	15.1	9.05	5.8	7.8	14	44.5
●	0	VS701852	ST485 0-62P CD5 #	16	-	15.1	9.05	6.2	9.5	12.2	44.5
	0	VS701838	ST485 0-78P CD5 #	25	-	15.1	9.05	7.8	9.5	14	44.5
●	0	VS701853	ST485 0-80P CD5 #	-	3	15.1	9.05	8	10	14	44.5
	0	VS701839	ST485 0-90P CD5 #	35	2	15.1	9.05	9	14.35	13.6	44.5
	0	VS701840	ST485 0-107P CD5 #	50	-	15.1	9.05	10.7	14.35	14.5	44.5
●	0	VS701854	ST485 0-135P CD5 #	67.4	2/0	15.1	9.05	13.5	16.5	18	51.9
●	4/0	VS701841	ST485 4/0-115P CD5 #	53	0	20	12.73	11.5	14.35	16.3	58.5
●	4/0	VS701842	ST485 4/0-135P CD5 #	67.4	2/0	20	12.73	13.5	16.5	18	58.5
●	4/0	VS701843	ST485 4/0-144P CD5 #	70	-	20	12.73	14.4	20	20	58.5
●	4/0	VS701844	ST485 4/0-155P CD5 #	95	-	20	12.73	15.2	19.7	20	58.5
●	4/0	VS701845	ST485 4/0P CD5	107÷120	4/0	20	12.73	15.2	19.7	20	58.5

● *New Contacts*

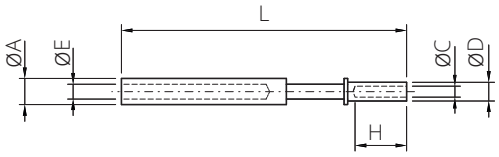
[a] For arrangement 40A201
[b] For arrangements 24A55, 28-72, 32A101 and 28A31
[c] For arrangement 22A24

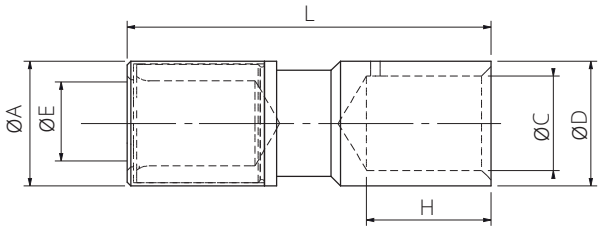
*** On request (please consult our Sales Office)*
 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

Dimensions in mm

Crimp Contacts - ST - For Rubber insert

Socket Contacts - Gold Plated





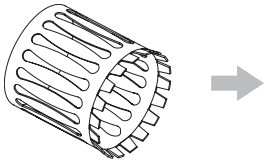
	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
	20	VS701700	ST485 20S CD5 (a)** / *	0.15÷0.3	26÷22	2	1.15	0.9	1.6	4	32.5
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	18	VS701703	ST485 18S CD5 *	0.15÷0.6	26÷20	2.4	1.46	1.3	1.93	4.5	34.4
	16S	VS701704	ST485 16SS CD5	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.35	26.6
●	16S	VS701755	ST485 16S-11S CD5 #	0.25÷0.5	22-20	3.2	1.68	1.1	2.15	6.5	26.6
	16S	VS701705	ST485 16S-12S CD5 #	0.15÷0.75	20	3.2	1.68	1.2	2.6	6.5	26.6
	16S	VS701707	ST485 16S-15S CD5 #	0.75÷1	18	3.2	1.68	1.5	2.6	6.5	26.6
●	16S	VS701756	ST485 16S-17S CD5 #	0.75	-	3.2	1.68	1.75	2.62	6.5	26.6
●	16S	VS701760	ST485 16S-19S CD5 #	1.5÷2.5	16÷14	3.2	1.68	1.9	2.5	6.5	26.6
	16S	VS701708	ST485 16S-20S CD5 #	1÷2	18÷14	3.2	1.68	2	2.9	6.5	26.6
	16S	VS701709	ST485 16S-26S CD5 #	2.5÷3	12	3.2	1.68	2.5	3.8	7	27
	16	VS701710	ST485 16S CD5	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.5	36.5
	16	VS701711	ST485 16-08S CD5** #	0.15÷0.2	26÷24	3.2	1.68	0.85	1.55	6.35	36.5
	16	VS701712	ST485 16-12S CD5 #	0.15÷0.75	20	3.2	1.68	1.2	2.6	6.5	36.5
	16	VS701713	ST485 16-13S CD5 #	0.15÷0.6	26÷20	3.2	1.68	1.3	1.93	6.35	36.5
●	16	VS701759	ST485 16-14S CD5 #	0.75	18	3.2	1.68	1.35	2.2	6.4	36.5
	16	VS701714	ST485 16-15S CD5 #	0.75÷1	18	3.2	1.68	1.5	2.6	6.5	36.5
●	16	VS701761	ST485 16-17S CD5 #	0.5÷1.5	20÷16	3.2	1.68	1.7	2.3	6.36	36.5
●	16	VS701762	ST485 16-19S CD5 #	1.5÷2.5	16÷14	3.2	1.68	1.9	2.5	6.36	36.5
	16	VS701715	ST485 16-20S CD5 #	1÷2	18÷14	3.2	1.68	2	2.9	6.5	36.5
	16	VS701716	ST485 16-26S CD5 #	2.5÷3	12	3.2	1.68	2.5	3.8	7	36.5
●	12	VS701757	ST485 12-11S CD5 #	0.5	22-20	4.8	2.48	1.1	3	8.5	37.5
	12	VS701717	ST485 12-12S CD5 #	0.15÷0.75	20	4.8	2.48	1.2	2.6	8.5	37.5
	12	VS701718	ST485 12-15S CD5 #	0.75÷1	18	4.8	2.48	1.5	3.4	8.5	37.5
	12	VS701719	ST485 12-20S CD5 #	1÷2	18÷14	4.8	2.48	2	3.8	6.5	37.5
	12	VS701720	ST485 12-22S CD5 #	2.5	-	4.8	2.48	2.2	3.8	8.5	37.5
	12	VS701721	ST485 12S CD5	3	12	4.8	2.48	2.5	3.8	8.5	37.5
	12	VS701722	ST485 12-30S CD5 #	4	-	4.8	2.48	3	4.8	8.5	37.5
	12	VS701723	ST485 12-38S CD5 #	6	-	4.8	2.48	3.6	4.8	8.5	37.5
	8	VS701724	ST485 8S CD5	-	8	7.8	3.7	4.55	6.8	12.2	40.7
	8	VS701725	ST485 8-15S CD5** #	1	18	7.8	3.7	1.5	3.4	8.5	40.7
	8	VS701726	ST485 8-18S CD5** #	1÷2	18÷14	7.8	3.7	1.8	3.8	8.5	40.7
●	8	VS701746	ST485 8-22S CD5 #	2.5	-	7.8	3.7	2.2	3.8	12.2	40.7
●	8	VS701747	ST485 8-26S CD5 #	3	12	7.8	3.7	2.5	3.8	12.2	40.7
	8	VS701727	ST485 8-30S CD5 #	4	-	7.8	3.7	3	4.8	8.3	40.7
	8	VS701728	ST485 8-38S CD5 #	6	10	7.8	3.7	3.6	6.8	12.2	40.7
	8	VS701729	ST485 8-50S CD5 #	10	-	7.8	3.7	5	7	11.5	40.7
	4	VS701730	ST485 4S CD5	22	4	11	5.8	7.1	9.55	12.2	41.2
	4	VS701731	ST485 4-26S CD5** #	3	-	11	5.8	2.5	3.8	8.5	41.2
	4	VS701732	ST485 4-30S CD5** #	4	-	11	5.8	3	4.8	8.5	41.2
●	4	VS701748	ST485 4-38S CD5 #	6	10	11	5.8	3.6	6.8	12.2	41.2
	4	VS701733	ST485 4-50S CD5 #	10	-	11	5.8	5	6.8	12.2	41.2
	4	VS701734	ST485 4-58S CD5 #	-	6	11	5.8	5.8	7.8	12.2	41.2
	4	VS701735	ST485 4-62S CD5 #	16	-	11	5.8	6.2	9.5	12.2	41.2
●	4	VS701749	ST485 4-78S CD5 #	25	-	11	5.8	7.8	9.5	12.2	41.2
●	4	VS701750	ST485 4-90S CD5 #	35	2	11	5.8	9	14.35	14	47
	0	VS701736	ST485 0S CD5	53	0	15.1	10.3	11.5	14.35	14.5	45
	0	VS701737	ST485 0-45S CD5 #	-	8	15.1	10.3	4.55	6.8	12.7	45
●	0	VS701758	ST485 0-50S CD5 #	10	-	15.1	10.3	5	7	12.2	45
●	0	VS701751	ST485 0-58S CD5 #	-	6	15.1	10.3	5.8	7.8	14	45
●	0	VS701752	ST485 0-62S CD5 #	16	-	15.1	10.3	6.2	9.5	12.2	45
	0	VS701738	ST485 0-78S CD5 #	25	-	15.1	10.3	7.8	9.5	14	45
●	0	VS701753	ST485 0-80S CD5 #	-	3	15.1	10.3	8	10	14	45
	0	VS701739	ST485 0-90S CD5 #	35	2	15.1	10.3	9	14.35	14	45
	0	VS701740	ST485 0-107S CD5 #	50	-	15.1	10.3	10.7	14.35	14.5	45
●	0	VS701754	ST485 0-135S CD5 #	67.4	2/0	15.1	10.3	13.5	16.5	18	52
●	4/0	VS701741	ST485 4/0-115S CD5 #	53	0	20	13.65	11.5	14.35	17	59
●	4/0	VS701742	ST485 4/0-135S CD5 #	67.4	2/0	20	13.65	13.5	16.5	18	59
●	4/0	VS701743	ST485 4/0-144S CD5 #	70	-	20	13.65	14.4	20	20	59
●	4/0	VS701744	ST485 4/0-155S CD5 #	95	-	20	13.65	15.2	19.7	20	59
●	4/0	VS701745	ST485 4/0S CD5	107÷120	4/0	20	13.65	15.2	19.7	20	59

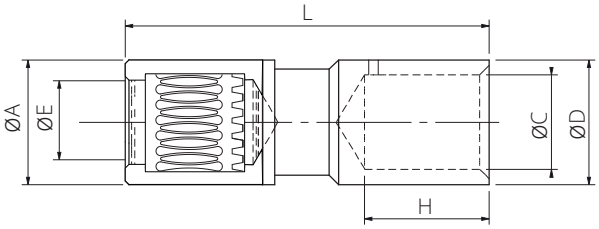
● *New Contacts* *(a) For all arrangements with contacts size 20* *** On request (please consult our Sales Office)* *Dimensions in mm*
** Close entry contact type*
 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

CONTACTS

Crimp Contacts with Louver - ST - For Rubber insert

Socket Contacts - Silver Plated

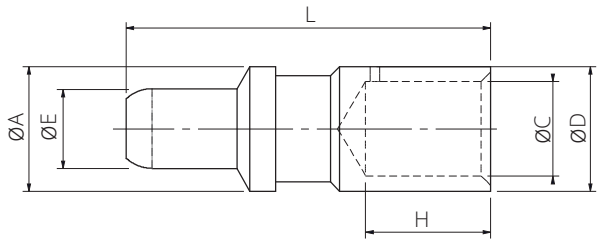




	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	8L	VS702351	ST485 8L-17S #	1.5	16	7.8	3.6	1.7	4	8.5	38
●	8L	VS702352	ST485 8L-23S #	2.5	-	7.8	3.6	2.3	4	8.5	38
●	8L	VS702353	ST485 8L-35S #	6	10	7.8	3.6	3.5	5	8.5	38
●	8L	VS702354	ST485 8L-46S #	10	-	7.8	3.6	4.6	6.35	12.2	38
●	0L	VS702355	ST485 0L-62S #	16	-	15	9	6.2	9.3	16	50
●	0L	VS702356	ST485 0L-76S #	25	-	15	9	7.6	11.7	17	51
●	0L	VS702357	ST485 0L-89S #	35	-	15	9	8.9	13	19	53
●	0L	VS702358	ST485 0L-105S #	50	-	15	9	10.5	14.6	20.5	55

Pin Contacts - Silver Plated

(To be mated with Louver Socket Contacts and Standard ST485 Socket Contacts)



	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	8L	VS702301	ST485 8L-17P #	1.5	16	7.8	3.6	1.7	4	8.5	41
●	8L	VS702302	ST485 8L-23P #	2.5	-	7.8	3.6	2.3	4	8.5	41
●	8L	VS702303	ST485 8L-35P #	6	10	7.8	3.6	3.5	5	8.5	41
●	8L	VS702304	ST485 8L-46P #	10	-	7.8	3.6	4.6	6.35	12.2	41
●	0L	VS702305	ST485 0L-62P #	16	-	15	9	6.2	9.3	17	51
●	0L	VS702306	ST485 0L-76P #	25	-	15	9	7.6	11.7	17	52
●	0L	VS702307	ST485 0L-89P #	35	-	15	9	8.9	13	19	53
●	0L	VS702308	ST485 0L-105P #	50	-	15	9	10.5	14.6	20.5	56

● *New Contacts*

Dimensions in mm

*** On request (please consult our Sales Office)*

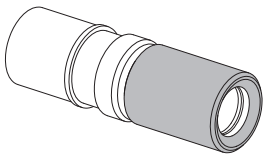
(*) P/N concerning silver plated contacts, add code CD5 for gold plated contacts (Part Number to be required).

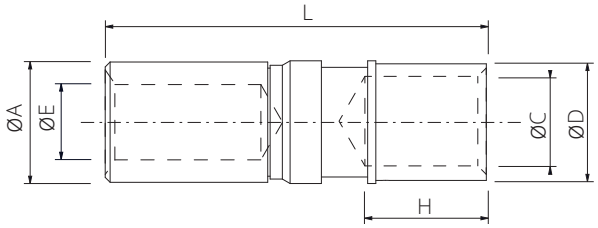
Contact Size	Rated Current
8L	56A
0L	200A
4/0L	300A

 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

Crimp Contacts with Touch Proof - ST - For Rubber insert

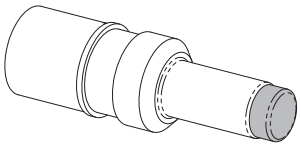
Socket Contacts - Silver Plated

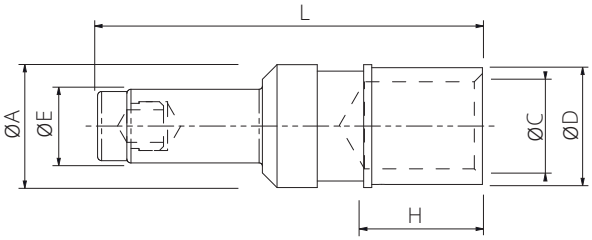




	Contact Size	Part Number	Short Description(*)	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	0	VS702451	ST485 0S FT	53	0	15.1	13.2	11.5	6.8	14.5	45
●	0	VS702452	ST485 0-50S FT #	10	-	15.1	13.2	5	7	12.2	45
●	0	VS702453	ST485 0-90S FT #	35	2	15.1	13.2	9	14.35	14	43.4
●	0	VS702454	ST485 0-107S FT #	50	-	15.1	13.2	10.7	14.35	13.6	45

Pin Contacts - Silver Plated





	Contact Size	Part Number	Short Description(*)	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	0	VS702401	ST485 0P FT	53	0	15.1	9.05	11.5	14.35	14.5	45
●	0	VS702402	ST485 0-50P FT #	10	-	15.1	9.05	5	7	12.2	44.5
●	0	VS702403	ST485 0-90P FT #	35	2	15.1	9.05	9	14.35	13.6	44.5
●	0	VS702404	ST485 0-107P FT #	50	-	15.1	9.05	10.7	14.35	14.6	44.5

● *New Contacts*

Dimensions in mm

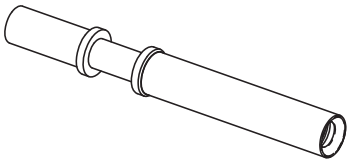
*** On request (please consult our Sales Office)*

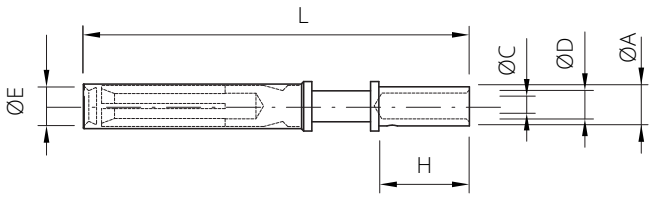
(*) P/N concerning silver plated contacts, add code CD5 for gold plated contacts (Part Number to be required).

 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

Crimp Contacts Close Entry - ST - For Rubber insert

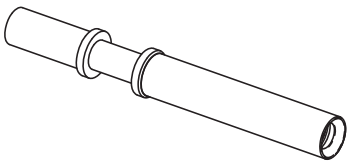
Socket Contacts - Silver Plated

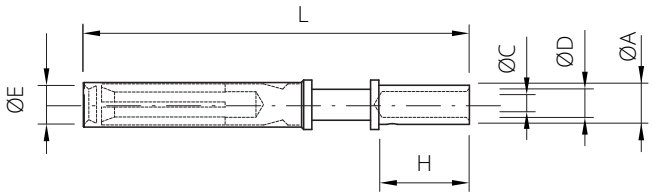




	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	16S	VS702501	ST485 16SS CLE	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.35	27
●	16S	VS702502	ST485 16S-13S CLE #	0.15÷0.5	26÷20	3.2	1.68	1.3	1.93	6.5	26.6
●	16	VS702503	ST485 16S CLE	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.5	36.5
●	16	VS702504	ST485 16-12S CLE #	0.6	20	3.2	1.68	1.2	2.6	6.5	36.5
●	16	VS702505	ST485 16-15S CLE #	1	18	3.2	1.68	1.5	2.6	6.5	36.5
●	12	VS702506	ST485 12-12S CLE #	0.6	20	4.8	2.48	1.2	2.6	8.5	37.5
●	12	VS702507	ST485 12S CLE	3	12	3.2	2.48	2.5	3.8	8.5	37.5
●	12	VS702508	ST485 12-30S CLE #	4	-	4.8	2.48	3	4.8	8.5	37.5

Socket Contacts - Gold Plated





	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	16S	VS702551	ST485 16SS CLE CD5	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.35	27
●	16S	VS702552	ST485 16S-13S CLE CD5 #	0.15÷0.5	26÷20	3.2	1.68	1.3	1.93	6.5	26.6
●	16	VS702553	ST485 16S CLE CD5	1÷1.5	18÷16	3.2	1.68	1.7	2.6	6.5	36.5
●	16	VS702554	ST485 16-12S CLE CD5 #	0.6	20	3.2	1.68	1.2	2.6	6.5	36.5
●	16	VS702555	ST485 16-15S CLE CD5 #	1	18	3.2	1.68	1.5	2.6	6.5	36.5
●	12	VS702556	ST485 12-12S CLE CD5 #	0.6	20	4.8	2.48	1.2	2.6	8.5	37.5
●	12	VS702557	ST485 12S CLE CD5	3	12	3.2	2.48	2.5	3.8	8.5	37.5
●	12	VS702558	ST485 12-30S CLE CD5 #	4	-	4.8	2.48	3	4.8	8.5	37.5

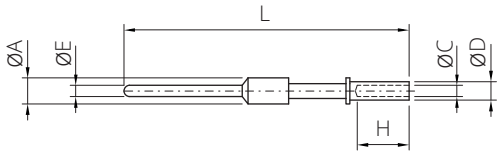
● *New Contacts*

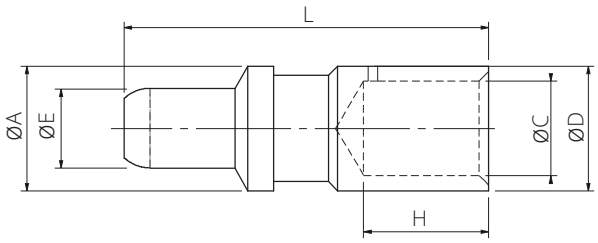
Dimensions in mm

 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

Contacts FMLB First Mate Last Break - ST - For Rubber insert

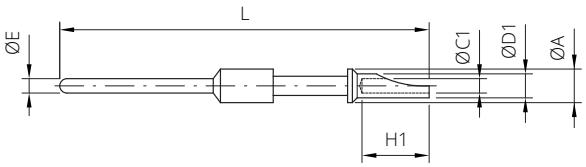
Pin Contacts - Crimp - Silver Plated

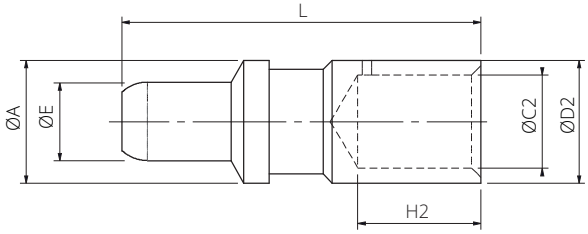




	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	16S	VS702601	ST485 16SP FM	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	28.9
●	16	VS702602	ST485 16P FM	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	35.8
●	12	VS702603	ST485 12P FM	3	12	4.8	2.38	2.5	3.8	8.5	40
●	12	VS702604	ST485 12-38P FM #	6	-	4.8	2.38	3.6	4.8	8	40
●	8	VS702605	ST485 8P FM	-	8	7.8	3.6	4.55	6.8	12.2	40.7
●	0	VS702606	ST485 0P FM	53	0	15.1	9.05	11.5	14.35	14.5	46.2
●	0	VS702607	ST485 0-90P FM #	35	2	15.1	9.05	9	14.35	13.6	45.7

Pin Contacts - Solder - Silver Plated





	Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
●	16S	VS702041	ST385 16SP FM	18÷16	3.2	1.58	1.8	-	2.6	-	5.5	-	29.4
●	16	VS702042	ST385 16P FM	18÷16	3.2	1.58	1.8	-	2.6	-	7	-	35.9
●	12	VS702043	ST385 12P FM	12	4.8	2.38	2.9	-	3.7	-	8	-	36.5
●	8	VS702044	ST385 8P FM	9	7.8	3.6	-	5.3	-	6.6	-	12.6	38.9

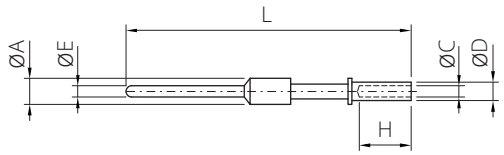
● *New Contacts*

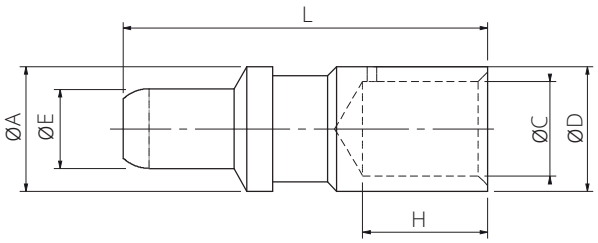
Dimensions in mm

 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

Contacts AO Advance Opening Contacts - ST - For Rubber insert

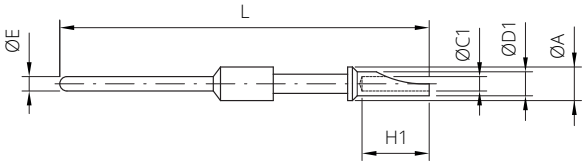
Pin Contacts - Crimp - Silver Plated

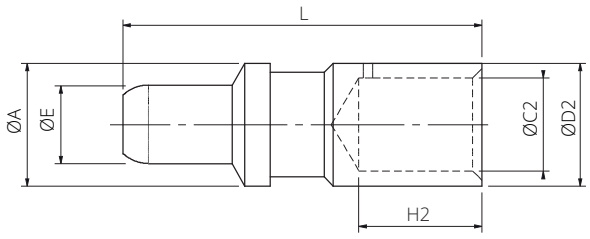




	Contact Size	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	16S	**	ST485 16SP AO	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	28.9
●	16	**	ST485 16P AO	1÷1.5	18÷16	3.2	1.58	1.7	2.6	6.5	35.8
●	12	**	ST485 12P AO	3	12	4.8	2.38	2.5	3.8	8.5	32
●	12	**	ST485 12-38P AO #	6	-	4.8	2.38	3.6	4.8	8	32
●	8	**	ST485 8P AO	-	8	7.8	3.6	4.55	6.8	12.2	40.7
●	0	**	ST485 0P AO	53	0	15.1	9.05	11.5	14.35	14.5	46.2
●	0	**	ST485 0-90P AO #	35	2	15.1	9.05	9	14.35	13.6	45.7

Pin Contacts - Solder - Silver Plated





	Contact size	Part Number	Short Description	AWG Cable size	ØA	ØE	ØC1	ØC2	ØD1	ØD2	H1	H2	L
●	16S	**	ST385 16SP AO	18÷16	3.2	1.58	1.8	-	2.6	-	5.5	-	29.4
●	16	**	ST385 16P AO	18÷16	3.2	1.58	1.8	-	2.6	-	7	-	35.9
●	12	**	ST385 12P AO	12	4.8	2.38	2.9	-	3.7	-	8	-	28.5
●	8	**	ST385 8P AO	9	7.8	3.6	-	5.3	-	6.6	-	12.6	38.9

● *New Contacts*

Dimensions in mm

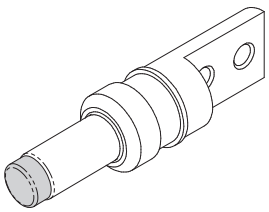
*** On request (please consult our Sales Office)*

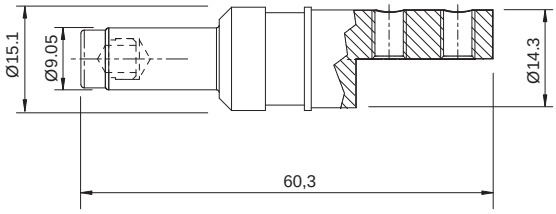
 # See notes page "Contacts - Part number explanation" for contacts with ØD different from standard

ST Contacts - for Lug

Pin Contacts - Silver Plated

- Cannot be used with grommet
- It is mandatory the use of heat shrink tube

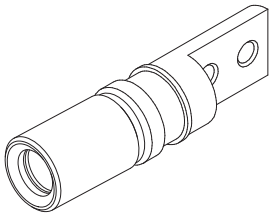


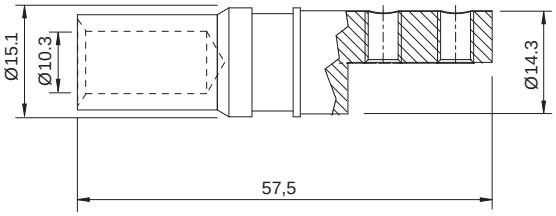


Contact Size	Part Number	Short Description(*)
0	on request	ST585 0P

Socket Contacts - Silver Plated

- Cannot be used with grommet
- It is mandatory the use of heat shrink tube





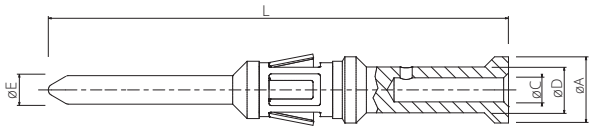
Contact Size	Part Number	Short Description(*)
0	on request	ST585 0S

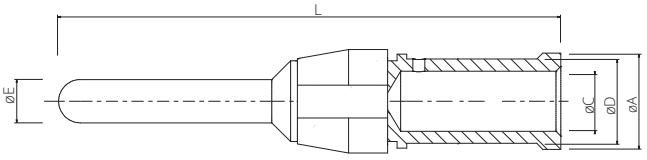
Dimensions in mm

KT Contacts - for thermoplastics inserts

Pin Contacts - Crimp - Gold Plated

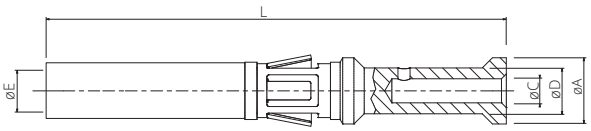
Must be used with KVBS inserts or GVJ inserts (48A4 and 48A7)

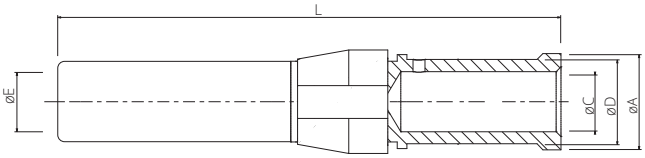




Contact Size	Part Number	Short Description(*)	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	L
16	VS701302	KT485 16-12P CD5	0.5÷0.75	-	3.7	1.57	1.2	2.6	33.4
16	VS701303	KT485 16-20P CD5	1÷2	18÷14	3.7	1.57	2	2.9	33.4
16	VS701304	KT485 16-26P CD5	2.5÷3	-	3.7	1.57	2.5	3.8	33.4
12	VS701305	KT485 12-12P CD5	0.6	20	5.5	2.37	1.2	2.6	38.2
12	VS701306	KT485 12-20P CD5	1÷2	18÷14	5.5	2.37	2	3.8	38.2
12	VS701307	KT485 12-26P CD5	2.5÷3	-	5.5	2.37	2.5	3.8	38.2
12	VS701308	KT485 12-30P CD5	4	-	5.5	2.37	3	4.8	38.2
12	VS701309	KT485 12-38P CD5	6	-	5.5	2.37	3.6	4.8	38.2
8	VS701310	KT485 8-15P CD5	1	-	8	3.59	1.5	3.4	41.7
8	VS701311	KT485 8-22P CD5	2.5	-	8	3.59	2.2	3.8	41.7
8	VS701312	KT485 8-30P CD5**	4	-	8	3.59	3	4.8	41.7
8	VS701313	KT485 8-38P CD5	6	-	8	3.59	3.6	4.8	41.7
8	VS701314	KT485 8-50P CD5**	10	-	8	3.59	5	7	41.7

Socket Contacts - Crimp - Gold Plated





Contact Size	Part Number	Short Description(*)	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	L
16	VS701402	KT485 16-12S CD5	0.5÷0.75	-	3.7	1.65	1.2	2.6	38.4
16	VS701403	KT485 16-20S CD5	1÷2	18÷14	3.7	1.65	2	2.9	38.4
16	VS701404	KT485 16-26S CD5	2.5÷3	-	3.7	1.65	2.5	3.8	38.4
12	VS701405	KT485 12-12S CD5	0.6	20	5.5	2.48	1.2	2.6	38.7
12	VS701406	KT485 12-20S CD5	1÷2	18÷14	5.5	2.48	2	3.8	38.7
12	VS701407	KT485 12-26S CD5	2.5÷3	-	5.5	2.48	2.5	3.8	38.7
12	VS701408	KT485 12-30S CD5	4	-	5.5	2.48	3	4.8	38.7
12	VS701409	KT485 12-38S CD5	6	-	5.5	2.48	3.6	4.8	38.7
8	VS701410	KT485 8-15S CD5	1	-	8	3.7	1.5	3.4	41.7
8	VS701411	KT485 8-22S CD5	2.5	-	8	3.7	2.2	3.8	41.7
8	VS701412	KT485 8-30S CD5**	4	-	8	3.7	3	4.8	41.7
8	VS701413	KT485 8-38S CD5	6	-	8	3.7	3.6	4.8	41.7
8	VS701414	KT485 8-50S CD5**	10	-	8	3.7	5	7	41.7

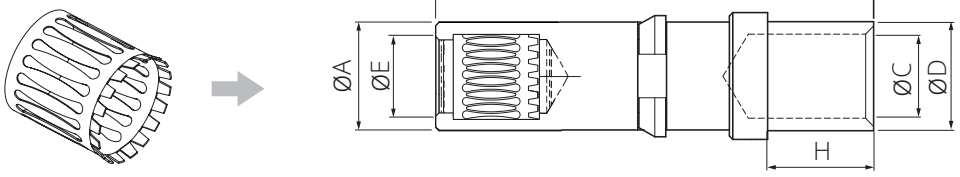
Dimensions in mm

*** On request (please consult our Sales Office)*

KT Contacts with Louver - for thermoplastics inserts

Socket Contacts - Crimp - Silver Plated

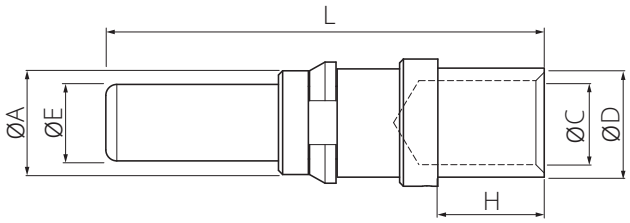
Must be used with KVBS inserts or GVJ inserts (48A4 and 48A7)



	Contact Size	Part Number	Short Description *	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	4/0L	VS701251	KT485 4/0L-115S	53	0	19.8	20	11.5	14.35	16.3	81
●	4/0L	VS701252	KT485 4/0L-144S	70	-	19.8	20	14.4	20	23	81
●	4/0L	VS701253	KT485 4/0L-155S	95	-	19.8	20	15.5	20	23	81
●	4/0L	VS701254	KT485 4/0L-S	107÷120	4/0	19.8	20	16.5	7	4.5	81

Pin Contacts - Crimp - Silver Plated

(For Louver Socket contacts)



	Contact Size	Part Number	Short Description *	Wire section (mm²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
●	4/0L	VS701151	KT485 4/0L-115P	53	0	20	14	11.5	14.35	16.3	82.4
●	4/0L	VS701152	KT485 4/0L-144P	70	-	20	14	14.4	20	23	82.4
●	4/0L	VS701153	KT485 4/0L-155P	95	-	20	14	15.5	20	23	82.4
●	4/0L	VS701154	KT485 4/0L-P	107÷120	4/0	20	14	16.5	20	23	82.4

● *New Contacts*

Dimensions in mm

** P/N concerning silver plated contacts, add code CD5 for gold plated contacts (Part Number to be required).*

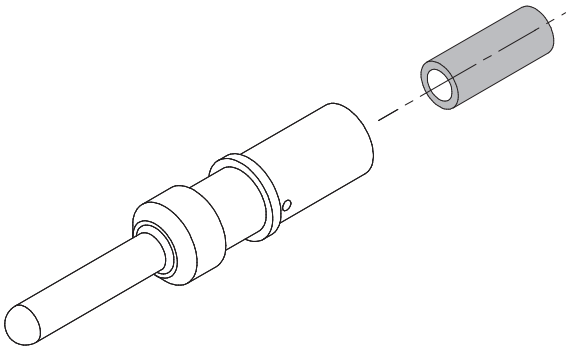
Contact Size	Rated Current
4/0L	300A

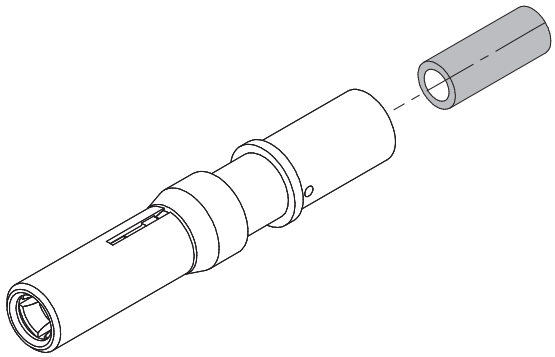
CONTACTS

Crimp Adapters

For Contacts ST Type

To be used in case of wire section smaller than contact termination. They are available with silver or gold finish.
Alternative versions can be designed and supplied on request for different wire sections.





Silver Plated

Contact size	Part Number	Adapter P/N	Wire section (mm²)	AWG cable size	Can be used with contact
12	-	AP485 12-17	-	16	**
8	-	AP485 8-26	3	12	**
8	-	AP485 8-17	1.5	-	**
8	-	AP485 8-22	2.5	-	**
8	-	AP485 8-30	4	-	ST485 8P / ST485 8S
8	VS412201	AP485 8-38	6	10	ST485 8P / ST485 8S
4	-	AP485 4-45	-	8	**
4	VS412202	AP485 4-17	1.5	-	ST485 4P / ST485 4S
4	VS412203	AP485 4-30	4	-	ST485 4P / ST485 4S
4	VS412204	AP485 4-38	6	10	ST485 4P / ST485 4S
4	VS412205	AP485 4-50	10	-	ST485 4P / ST485 4S
4	VS412206	AP485 4-62	16	-	ST485 4P / ST485 4S
0	-	AP485 0-72	-	4	**
0	VS412207	AP485 0-78	25	-	ST485 0P / ST485 0S

Gold Plated

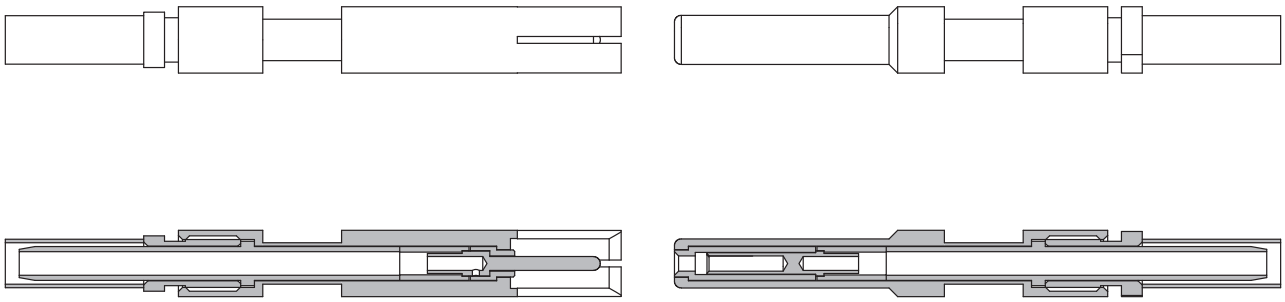
Contact size	Part Number	Adapter P/N	Wire section (mm²)	AWG cable size	Can be used with contact
12	-	AP485 12-17 CD5	-	16	**
8	-	AP485 8-26 CD5	3	12	**
8	-	AP485 8-17 CD5	1.5	-	**
8	-	AP485 8-22 CD5	2.5	-	**
8	VS412251	AP485 8-30 CD5	4	-	ST485 8P / ST485 8S
8	VS412252	AP485 8-38 CD5	6	10	ST485 8P / ST485 8S
4	-	AP485 4-45 CD5	-	8	**
4	VS412253	AP485 4-17 CD5	1.5	-	ST485 4P / ST485 4S
4	VS412254	AP485 4-30 CD5	4	-	ST485 4P / ST485 4S
4	VS412255	AP485 4-38 CD5	6	10	ST485 4P / ST485 4S
4	VS412256	AP485 4-50 CD5	10	-	ST485 4P / ST485 4S
4	VS412257	AP485 4-62 CD5	16	-	ST485 4P / ST485 4S
0	-	AP485 0-72 CD5	-	4	**
0	VS412258	AP485 0-78 CD5	25	-	ST485 0P / ST485 0S

*** On request (please consult our Sales Office)*

Coaxial Contacts - For Rubber insert

Crimp Contacts - Gold Plated

They are made to be used for size 12, 8 and 4 contact cavities according to wire and application.
For the optimum choice it is better to consult our Sales Office.



Socket Contacts

Contact cavity size	Part Number	Short Description	Used with cable
4	VS702751	CC485-4-006S	RG 6 (75 Ω)
8	VS702752	CC485-8-058S	RG 58 (50 Ω)
4	VS702753	CC485-4-059S	RG 59 (75 Ω)
8	VS702754	CC485-8-059S	RG 59 (75 Ω)
8	-	CC485-8-141S**	RG 141 (50 Ω)
8	-	CC485-8-142S**	RG 142 (50 Ω)
8	VS702755	CC485-8-174S	RG 174 (50 Ω)
12	-	CC485-12-178S**	RG 178 (50 Ω)
8	-	CC485-8-179S**	RG 179 (75 Ω)
8	VS702756	CC485-8-187S	RG 187 (75 Ω)
12	-	CC485-12-188S**	RG 188 (50 Ω)
8	-	CC485-8-400S**	RG 400 (50 Ω)

Pin Contacts

Contact cavity size	Part Number	Short Description	Used with cable
4	VS702701	CC485-4-006P	RG 6 (75 Ω)
8	VS702702	CC485-8-058P	RG 58 (50 Ω)
4	VS702703	CC485-4-059P	RG 59 (75 Ω)
8	VS702704	CC485-8-059P	RG 59 (75 Ω)
8	-	CC485-8-141P**	RG 141 (50 Ω)
8	-	CC485-8-142P**	RG 142 (50 Ω)
8	VS702705	CC485-8-174P	RG 174 (50 Ω)
12	-	CC485-12-178P**	RG 178 (50 Ω)
8	-	CC485-8-179P**	RG 179 (75 Ω)
8	VS702706	CC485-8-187P	RG 187 (75 Ω)
12	-	CC485-12-188P**	RG 188 (50 Ω)
8	-	CC485-8-400P**	RG 400 (50 Ω)

**** On request (please consult our Sales Office)***

Thermocouple Contacts

For CVS-CVB-CVBS-CVBSG-CVBR-GVJ Inserts

These contacts are manufactured from composite alloys.
Installed in the connectors in place of the traditional ones, they are able to avoid the signal distortion of the thermocouple connected through the connector itself.
Material is according to DIN 43710 e 43760 specs. For a clearer identification of the material, these contacts are marked with a colour coded sign and a series of lines engraved on the central part of the contact.

RF	CVBS	06	DA	XX-XX	S	X	PG16	CR*	F7	G	N

Size and Insert Arrangement

These contacts are supplied with special arrangement P/N. The most used are in the following table.
Attention: those configuration are not standardize (please consut our sales office)

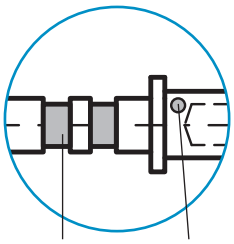
Thermocouple arrangement	Standard arrangement	Contacts position	Material
10SL-53	10SL-4	A	Alumel
		B	Chromel
10SL-55	10SL-3	A	Alumel
		B	Chromel
		C	Copper (standard)
14S-21	14S-2	A-C	Chromel
		B-D	Alumel
14S-22	14S-2	A	Chromel
		C	Alumel
		B-D	Hole plug
14S-23	14S-2	A-D	Chromel
		B-C	Alumel
14S-24	14S-2	A	Chromel
		B	Alumel
		C-D	Copper (standard)
14S-51	14S-9	A	Alumel
		B	Chromel
14S-53	14S-9	A	Iron
		B	Costantan
14S-55	14S-2	A-C	Iron
		B-D	Costantan
14S-57	14S-2	A-C	Alumel
		B-D	Chromel
14S-58	14S-7	A	Alumel
		B	Chromel
		C	Copper (standard)
14S-71	14S-7	A	Iron
		B	Costantan
		C	Copper (standard)
14S-73	14S-5	C	Iron
		D	Costantan
		A-B-E	Copper (standard)
14S-75	14S-7	A	Copper (standard)
		B	Costantan
		C	Copper (standard)
16S-56	16S-5	A	Chromel
		B	Alumel
		C	Copper (standard)

For special compositions please consut our sales office

** Please consut our sales office*

Thermocouple Contacts

For CVS-CVB-CVBS-CVBSG-CVBR-GVJ Inserts



Engraved lines *Identification colour*

Thermocouple arrangement	Standard arrangement	Contacts position	Material
16S-57	16S-8	A-C	Copper (standard)
		B-D	Costantan
		E	Copper (standard)
18-41	18-4	A-C	Iron
		B-D	Costantan
18-42	18-4	A-C	Alumel
		B-D	Chromel
18-43	18-4	A-C	Chromel
		B-D	Costantan
18-47	18-19	A-D-J	Iron
		B-H-G	Costantan
		C-E-F-K	Copper (standard)
18-48	18-4	A	Iron
		C	Costantan
		B-D	Copper (standard)
18-49	18-4	A-C	Chromel
		B-D	Alumel
18-50	18-4	A	Chromel
		D	Alumel
		B-C	Hole plug
18-57	18-12	A-C-E	Alumel
		B-D-F	Chromel
18-72	18-1	A-C-E-G-I	Chromel
		B-D-F-H-J	Alumel
20-641	20-27	A-B-C-D-E-F-G	Alumel
		H-I-J-K-L-M-N	Chromel
24-65	24-5	A-B-C-F-H-J-K-M	Chromel
		D-E-G-L-N-P-R-S	Alumel
24-91	24A25	A-C-E-G-J-I-N-Q-S-U-W-Y	Iron
		B-D-F-H-K-M-P-R-T-V-X-Z	Costantan
28-91	28-18	25	Hole plug
		A-C-E-G-J-L	Iron
		B-D-F-H-K-M	Costantan
32-56	32-31	Even	Iron
		Odd	Costantan
		31	Hole plug
36-91	36-10	A-C-E-G-J-L-N-P-R-T-V-X-Z- b-d-f-h-k-n-q-s-u-w-y	Iron
		B-D-F-H-K-M-O-Q-S-U-W-Y-a-c-e-c-j-m-p-r-t-v-x-z	Costantan

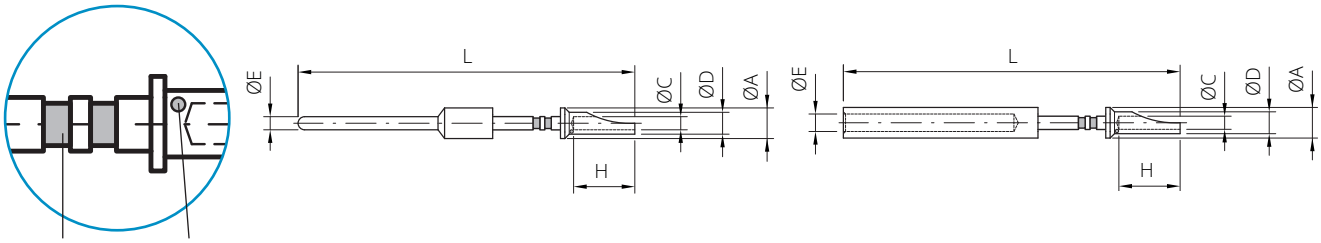
For special compositions please consut our sales office

Thermocouple Contacts - Solder

TC Contacts

Thermocouple type	Material	Pol.	Identification colour	Engraved lines No.
T	Copper (standard)*	+	-	n.a.
	Costantan	-	Yellow	1
J	Iron	+	Black	3
	Costantan	-	Yellow	1
E	Chromel	+	White	2
	Costantan	-	Yellow	1
K	Chromel	+	White	2
	Alumel	-	Green	-

** ST385 Version*



Engraved lines *Identification colour*

Socket Contacts

Contact size	Material	Part Number	Short ** Description	AWG Cable size	ØC	ØD	H
16S	Chromel	VS702051	TC1-385-16SS	16	1.8	3.2	5.5
16S	Alumel	VS702052	TC2-385-16SS	16	1.8	3.2	5.5
16S	Iron	VS702053	TC3-385-16SS	16	1.8	3.2	5.5
16S	Costantan	VS702054	TC4-385-16SS	16	1.8	3.2	5.5
16S	Copper (standard)	VS702011	ST385 16SS	16	1.8	3.2	5.5
16	Chromel	VS702055	TC1-385-16S	16	1.8	3.2	5.5
16	Alumel	VS702056	TC2-385-16S	16	1.8	3.2	5.5
16	Iron	VS702057	TC3-385-16S	16	1.8	3.2	5.5
16	Costantan	VS702058	TC4-385-16S	16	1.8	3.2	5.5
16	Copper (standard)	VS702012	ST385 16S	16	1.8	3.2	5.5

Pin Contacts

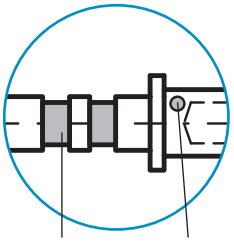
Contact size	Material	Part Number	Short ** Description	AWG Cable size	ØC	ØD	H
16S	Chromel	VS702081	TC1-385-16SP	16	1.8	3.2	5.5
16S	Alumel	VS702082	TC2-385-16SP	16	1.8	3.2	5.5
16S	Iron	VS702083	TC3-385-16SP	16	1.8	3.2	5.5
16S	Costantan	VS702084	TC4-385-16SP	16	1.8	3.2	5.5
16S	Copper (standard)	VS702001	ST385 16SP	16	1.8	3.2	5.5
16	Chromel	VS702085	TC1-385-16P	16	1.8	3.2	5.5
16	Alumel	VS702086	TC2-385-16P	16	1.8	3.2	5.5
16	Iron	VS702087	TC3-385-16P	16	1.8	3.2	5.5
16	Costantan	VS702088	TC4-385-16P	16	1.8	3.2	5.5
16	Copper (standard)	VS702002	ST385 16P	16	1.8	3.2	5.5

*** On request (please consult our Sales Office)* *Dimensions in mm*

Thermocouple Contacts - Crimp

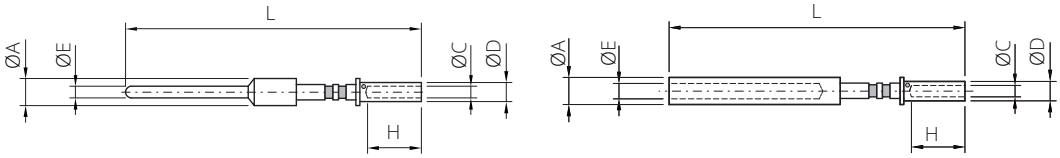
TC Contacts

Thermocouple type	Material	Pol.	Identification colour	Engraved lines No.
T	Copper (standard)*	+	-	n.a.
	Costantan	-	Yellow	1
J	Iron	+	Black	3
	Costantan	-	Yellow	1
E	Chromel	+	White	2
	Costantan	-	Yellow	1
K	Chromel	+	White	2
	Alumel	-	Green	-



Engraved lines *Identification colour*

** ST485 Version*



Socket Contacts

Contact Size	Material	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØC	ØD	H
16	Chromel	VS702855	TC1-485-16-07S *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Alumel	VS702856	TC2-485-16-07S *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Iron	VS702857	TC3-485-16-07S *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Costantan	VS702858	TC4-485-16-07S *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Chromel	VS702858	TC1-485-16-15S **	1	18	1.5	2.6	6.35
16	Alumel	VS702860	TC2-485-16-15S **	1	18	1.5	2.6	6.35
16	Iron	VS702861	TC3-485-16-15S **	1	18	1.5	2.6	6.35
16	Costantan	VS702862	TC4-485-16-15S **	1	18	1.5	2.6	6.35
16	Chromel	VS702863	TC1-485-16S **	1÷1.5	16	1.7	2.6	6.35
16	Alumel	VS702864	TC2-485-16S **	1÷1.5	16	1.7	2.6	6.35
16	Iron	VS702865	TC3-485-16S **	1÷1.5	16	1.7	2.6	6.35
16	Costantan	VS702866	TC4-485-16S **	1÷1.5	16	1.7	2.6	6.35

Pin Contacts

Contact Size	Material	Part Number	Short Description	Wire section (mm²)	AWG cable size	ØC	ØD	H
16	Chromel	VS702805	TC1-485-16-07P *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Alumel	VS702806	TC2-485-16-07P *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Iron	VS702807	TC3-485-16-07P *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Costantan	VS702808	TC4-485-16-07P *	0.15÷0.5	26÷20	0.75	1.6	5.3
16	Chromel	VS702808	TC1-485-16-15P **	1	18	1.5	2.6	6.35
16	Alumel	VS702810	TC2-485-16-15P **	1	18	1.5	2.6	6.35
16	Iron	VS702811	TC3-485-16-15P **	1	18	1.5	2.6	6.35
16	Costantan	VS702812	TC4-485-16-15P **	1	18	1.5	2.6	6.35
16	Chromel	VS702813	TC1-485-16P **	1÷1.5	16	1.7	2.6	6.35
16	Alumel	VS702814	TC2-485-16P **	1÷1.5	16	1.7	2.6	6.35
16	Iron	VS702815	TC3-485-16P **	1÷1.5	16	1.7	2.6	6.35
16	Costantan	VS702816	TC4-485-16P **	1÷1.5	16	1.7	2.6	6.35

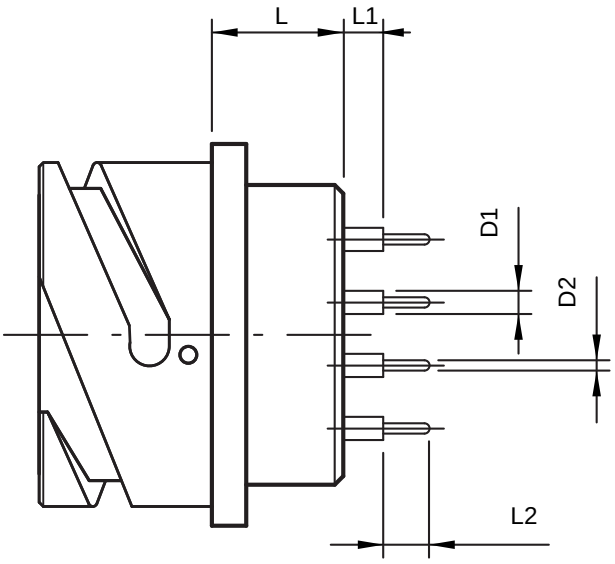
** Standard Version* *** On request (please consult our Sales Office)* *Dimensions in mm*

PCB Tail - Contacts

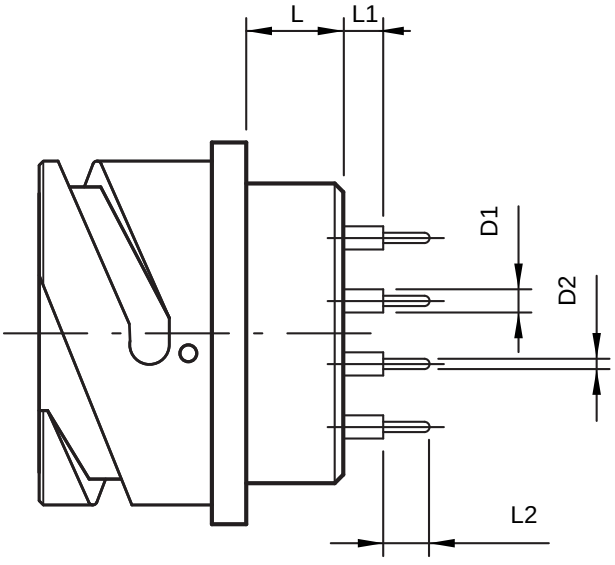
CVS-CVB-CVBS-CVBSG-CVBR-GVJ - Contacts

Pin and Socket contacts size 16 and 16S are available with termination for wave soldering on printed circuit boards.
These contacts can be used with front mounting panel connectors (02 Shell Type) or rear mounting panel connectors (03 Shell Type).
The following table shows available contacts dimensions.
Contact Plating: Gold plating

Consult our Sales Office for distance between contacts drawing.



Shell 03 Rear mounting receptacle connector



Shell 02 Front mounting receptacle connector

Contact Size	L	L1	L2 ±0.1	D1 ±0.1	D2 ±0.1
16S	#	#	3.1	1.8	0.8
16	#	#	3.6	1.8	0.8

Dimensions in mm

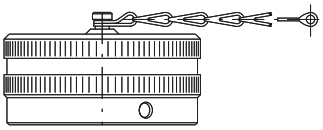
(#) This dimension can change with contact or shell size, insert arrangement and contacts version.
Please provide the L and L1 dimension to get the correct configuration (consult our Sales Office for further details).

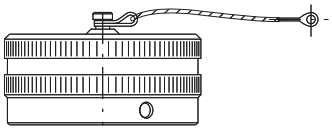
Accessories For Connectors

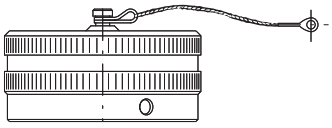
CVS-CVB-CVBS-CVBSG-CVBR-GVJ

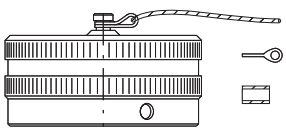
Caps for Connectors:

CV..043

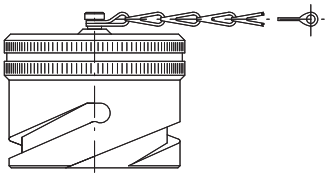


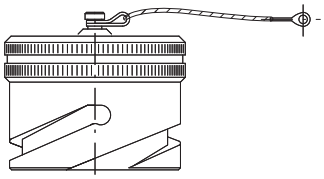


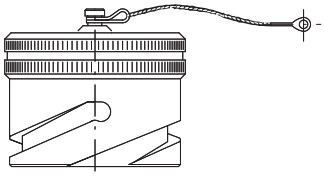


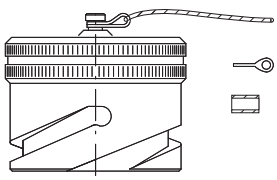


CV..042









Standard Caps: Chain and lugs in stainless steel

S Caps: Stainless steel wire rope, polyamide black covered

B Caps: with textile black rope

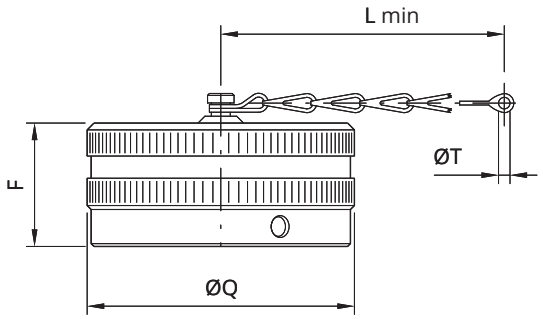
W Caps: with textile white rope (on request)

TL Caps: Stainless steel wire rope, polyamide black covered. Supplied with loose terminal link and crimp sleeve

Caps for Bayonet Connectors

CVB-CVBS-CVBSG-CVBR-GVJ - Accessories For Connectors

Caps with chain for connectors version: shell type with ramp
Provided with sealing gasket.
Chain and lugs are in stainless steel.
Protection degree: IP 67 (mated to the connector) according to EN 60529.



Shell size	ØQ	F	L min	ØT
10SL	23.6	16	108	4.3
14S	30	16	108	4.3
16S	33	16	108	4.3
16	33.6	20.9	123	4.3
18	38	21.7	123	4.3
20	40.5	21.7	123	4.3
22	44	21.7	123	4.3
24	47	21.7	123	4.3
28	53	21.7	206	4.3
32	60	21.7	206	4.3
36	66.2	21.7	206	4.3
40	72.4	21.7	206	4.3
GVJ	96	28.2	285	8.4

Finishes : F7 Black epoxy varnish (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS151101	CVB 043-10SL F7
14S	VS151102	CVB 043-14S F7
16S	VS151103	CVB 043-16S F7
16	VS151104	CVB 043-16 F7
18	VS151105	CVB 043-18 F7
20	VS151106	CVB 043-20 F7
22	VS151107	CVB 043-22 F7
24	VS151108	CVB 043-24 F7
28	VS151109	CVB 043-28 F7
32	VS151110	CVB 043-32 F7
36	VS151111	CVB 043-36 F7
40	VS151112	CVB 043-40 F7
GVJ	On Request	GVJ 043 F7

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number	Short Description
10SL	VS151113	CVB 043-10SL F4
14S	VS151114	CVB 043-14S F4
16S	VS151115	CVB 043-16S F4
16	VS151116	CVB 043-16 F4
18	VS151117	CVB 043-18 F4
20	VS151118	CVB 043-20 F4
22	VS151119	CVB 043-22 F4
24	VS151120	CVB 043-24 F4
28	VS151121	CVB 043-28 F4
32	VS151122	CVB 043-32 F4
36	VS151123	CVB 043-36 F4
40	VS151124	CVB 043-40 F4

Finishes : F16 CCF - Black passivation (***RoHS compliance)*** - conductive

Shell size	Part Number	Short Description
10SL	VS151125	CVB 043-10SL F16
14S	VS151126	CVB 043-14S F16
16S	VS151127	CVB 043-16S F16
16	VS151128	CVB 043-16 F16
18	VS151129	CVB 043-18 F16
20	VS151130	CVB 043-20 F16
22	VS151131	CVB 043-22 F16
24	VS151132	CVB 043-24 F16
28	VS151133	CVB 043-28 F16
32	VS151134	CVB 043-32 F16
36	VS151135	CVB 043-36 F16
40	VS151136	CVB 043-40 F16
GVJ	On Request	GVJ 043 F16

Finishes : F5 Electroless nickel (***RoHS compliance)***

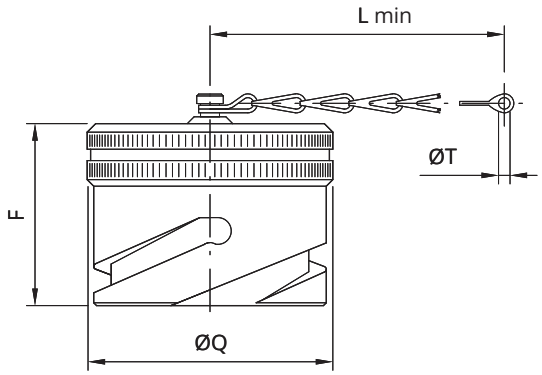
Shell size	Part Number	Short Description
10SL	VS151137	CVB 043-10SL F5
14S	VS151138	CVB 043-14S F5
16S	VS151139	CVB 043-16S F5
16	VS151140	CVB 043-16 F5
18	VS151141	CVB 043-18 F5
20	VS151142	CVB 043-20 F5
22	VS151143	CVB 043-22 F5
24	VS151144	CVB 043-24 F5
28	VS151145	CVB 043-28 F5
32	VS151146	CVB 043-32 F5
36	VS151147	CVB 043-36 F5
40	VS151148	CVB 043-40 F5

Dimensions in mm

Caps for Bayonet Connectors

CVB-CVBS-CVBSG-CVBR-GVJ - Accessories For Connectors

Caps with chain for connector version: shell type with coupling nut
These caps have no sealing gasket because mated with connectors generally provided with front gasket.
Chain and lugs are in stainless steel.
Protection degree: IP 67 (mated to the connector) according to EN 60529.



Shell size	ØQ	F	L min	ØT
10SL	20.6	27.3	108	4.3
14S	27	27.3	123	4.3
16S	29.8	27.3	123	4.3
16	29.8	34.5	123	4.3
18	33	34.5	123	4.3
20	36.5	34.5	138	4.3
22	39.7	34.5	138	4.3
24	43.2	34.5	138	4.3
28	48.9	34.5	206	4.3
32	55.5	34.5	206	4.3
36	61.6	34.5	206	4.3
40	67.6	34.5	206	4.3
GVJ	93	60	285	8.4

Finishes : F7 Black epoxy varnish (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS151201	CVB 042-10SL F7
14S	VS151202	CVB 042-14S F7
16S	VS151203	CVB 042-16S F7
16	VS151204	CVB 042-16 F7
18	VS151205	CVB 042-18 F7
20	VS151206	CVB 042-20 F7
22	VS151207	CVB 042-22 F7
24	VS151208	CVB 042-24 F7
28	VS151209	CVB 042-28 F7
32	VS151210	CVB 042-32 F7
36	VS151211	CVB 042-36 F7
40	VS151212	CVB 042-40 F7
GVJ	On Request	GVJ 04 F7

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number	Short Description
10SL	VS151213	CVB 042-10SL F4
14S	VS151214	CVB 042-14S F4
16S	VS151215	CVB 042-16S F4
16	VS151216	CVB 042-16 F4
18	VS151217	CVB 042-18 F4
20	VS151218	CVB 042-20 F4
22	VS151219	CVB 042-22 F4
24	VS151220	CVB 042-24 F4
28	VS151221	CVB 042-28 F4
32	VS151222	CVB 042-32 F4
36	VS151223	CVB 042-36 F4
40	VS151224	CVB 042-40 F4

Finishes : F16 CCF - Black passivation (***RoHS compliance)*** - conductive

Shell size	Part Number	Short Description
10SL	VS151225	CVB 042-10SL F16
14S	VS151226	CVB 042-14S F16
16S	VS151227	CVB 042-16S F16
16	VS151228	CVB 042-16 F16
18	VS151229	CVB 042-18 F16
20	VS151230	CVB 042-20 F16
22	VS151231	CVB 042-22 F16
24	VS151232	CVB 042-24 F16
28	VS151233	CVB 042-28 F16
32	VS151234	CVB 042-32 F16
36	VS151235	CVB 042-36 F16
40	VS151236	CVB 042-40 F16
GVJ	On Request	GVJ 042 F7

Finishes : F5 Electroless nickel (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS151237	CVB 042-10SL F5
14S	VS151238	CVB 042-14S F5
16S	VS151239	CVB 042-16S F5
16	VS151240	CVB 042-16 F5
18	VS151241	CVB 042-18 F5
20	VS151242	CVB 042-20 F5
22	VS151243	CVB 042-22 F5
24	VS151244	CVB 042-24 F5
28	VS151245	CVB 042-28 F5
32	VS151246	CVB 042-32 F5
36	VS151247	CVB 042-36 F5
40	VS151248	CVB 042-40 F5

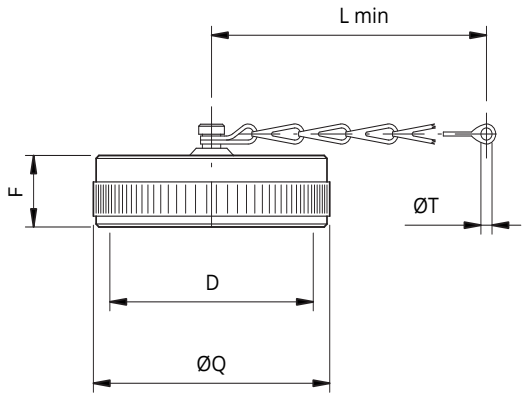
Dimensions in mm

Caps for Threaded Connectors

CVS - Accessories For Connectors

Caps with chain for connectors version: shell type with threaded

Provided with sealing gasket. Chain and lugs are in stainless steel.
Protection degree: IP 67 (mated to the connector) according to EN 60529.



Shell size	D Thread in inches	ØQ	F	L min	ØT
10SL	5/8"-24 UNEF	24	13.1	108	4.3
14S	7/8"-20 UNEF	29	13.1	108	4.3
16S	1"-20 UNEF	30.5	13.1	108	4.3
16	1"-20 UNEF	30.5	13.1	123	4.3
18	1"1/8-18 UNEF	34	13.1	123	4.3
20	1"1/4-18 UNEF	37	13.1	123	4.3
22	1"3/8-18 UNEF	41	13.1	123	4.3
24	1"1/2-18 UNEF	43	13.1	123	4.3
28	1"3/4-18 UNEF	50	13.1	206	4.3
32	2"-18 UNS	56	14.7	206	4.3
36	2"1/4-16 UN	61	14.7	206	4.3
40	2"1/2-16 UN	69	14.7	206	4.3

Finishes : F7 Black epoxy varnish (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS150101	CVS 043-10SL F7
14S	VS150102	CVS 043-14S F7
16S	VS150103	CVS 043-16S F7
16	VS150104	CVS 043-16 F7
18	VS150105	CVS 043-18 F7
20	VS150106	CVS 043-20 F7
22	VS150107	CVS 043-22 F7
24	VS150108	CVS 043-24 F7
28	VS150109	CVS 043-28 F7
32	VS150110	CVS 043-32 F7
36	VS150111	CVS 043-36 F7
40	VS150112	CVS 043-40 F7

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number	Short Description
10SL	VS150113	CVS 043-10SL F4
14S	VS150114	CVS 043-14S F4
16S	VS150115	CVS 043-16S F4
16	VS150116	CVS 043-16 F4
18	VS150117	CVS 043-18 F4
20	VS150118	CVS 043-20 F4
22	VS150119	CVS 043-22 F4
24	VS150120	CVS 043-24 F4
28	VS150121	CVS 043-28 F4
32	VS150122	CVS 043-32 F4
36	VS150123	CVS 043-36 F4
40	VS150124	CVS 043-40 F4

Finishes : F16 CCF - Black passivation (***RoHS compliance)*** - conductive

Shell size	Part Number	Short Description
10SL	VS150125	CVS 043-10SL F16
14S	VS150126	CVS 043-14S F16
16S	VS150127	CVS 043-16S F16
16	VS150128	CVS 043-16 F16
18	VS150129	CVS 043-18 F16
20	VS150130	CVS 043-20 F16
22	VS150131	CVS 043-22 F16
24	VS150132	CVS 043-24 F16
28	VS150133	CVS 043-28 F16
32	VS150134	CVS 043-32 F16
36	VS150135	CVS 043-36 F16
40	VS150136	CVS 043-40 F16

Finishes : F5 Electroless nickel (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS150137	CVS 043-10SL F5
14S	VS150138	CVS 043-14S F5
16S	VS150139	CVS 043-16S F5
16	VS150140	CVS 043-16 F5
18	VS150141	CVS 043-18 F5
20	VS150142	CVS 043-20 F5
22	VS150143	CVS 043-22 F5
24	VS150144	CVS 043-24 F5
28	VS150145	CVS 043-28 F5
32	VS150146	CVS 043-32 F5
36	VS150147	CVS 043-36 F5
40	VS150148	CVS 043-40 F5

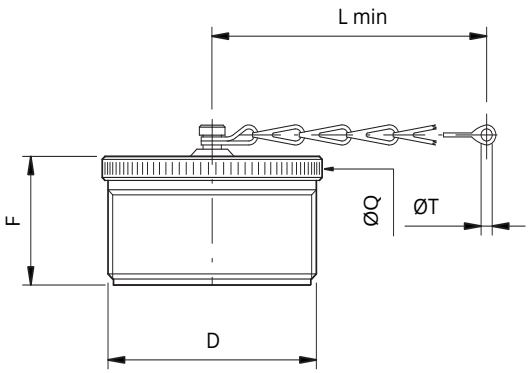
Dimensions in mm

Caps for Threaded Connectors

CVS - Accessories For Connectors

Caps with chain for connector version: shell type with coupling nut

These caps have no sealing gasket because mated with connectors generally provided with front gasket.
Chain and lugs are in stainless steel.
Protection degree: IP 67 (mated to the connector) according to EN 60529.



Shell size	D Thread in inches	ØQ	F	L min	ØT
10SL	5/8"-24 UNEF	18	16.5	108	4.3
14S	7/8"-20 UNEF	24	16.5	123	4.3
16S	1"-20 UNEF	27	16.5	123	4.3
16	1"-20 UNEF	27	21.4	123	4.3
18	1"1/8-18 UNEF	30	21.4	123	4.3
20	1"1/4-18 UNEF	34	21.4	138	4.3
22	1"3/8-18 UNEF	37	21.4	138	4.3
24	1"1/2-18 UNEF	40	21.4	138	4.3
28	1"3/4-18 UNEF	46	21.4	206	4.3
32	2"-18 UNS	52.5	22.5	206	4.3
36	2"1/4-16 UN	59	22.5	206	4.3
40	2"1/2-16 UN	65	22.5	206	4.3

Finishes : F7 Black epoxy varnish (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS150201	CVS 042-10SL F7
14S	VS150202	CVS 042-14S F7
16S	VS150203	CVS 042-16S F7
16	VS150204	CVS 042-16 F7
18	VS150205	CVS 042-18 F7
20	VS150206	CVS 042-20 F7
22	VS150207	CVS 042-22 F7
24	VS150208	CVS 042-24 F7
28	VS150209	CVS 042-28 F7
32	VS150210	CVS 042-32 F7
36	VS150211	CVS 042-36 F7
40	VS150212	CVS 042-40 F7

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number	Short Description
10SL	VS150213	CVS 042-10SL F4
14S	VS150214	CVS 042-14S F4
16S	VS150215	CVS 042-16S F4
16	VS150216	CVS 042-16 F4
18	VS150217	CVS 042-18 F4
20	VS150218	CVS 042-20 F4
22	VS150219	CVS 042-22 F4
24	VS150220	CVS 042-24 F4
28	VS150221	CVS 042-28 F4
32	VS150222	CVS 042-32 F4
36	VS150223	CVS 042-36 F4
40	VS150224	CVS 042-40 F4

Finishes : F16 CCF - Black passivation (***RoHS compliance)*** - conductive

Shell size	Part Number	Short Description
10SL	VS150225	CVS 042-10SL F16
14S	VS150226	CVS 042-14S F16
16S	VS150227	CVS 042-16S F16
16	VS150228	CVS 042-16 F16
18	VS150229	CVS 042-18 F16
20	VS150230	CVS 042-20 F16
22	VS150231	CVS 042-22 F16
24	VS150232	CVS 042-24 F16
28	VS150233	CVS 042-28 F16
32	VS150234	CVS 042-32 F16
36	VS150235	CVS 042-36 F16
40	VS150236	CVS 042-40 F16

Finishes : F5 Electroless nickel (***RoHS compliance)***

Shell size	Part Number	Short Description
10SL	VS150237	CVS 042-10SL F5
14S	VS150238	CVS 042-14S F5
16S	VS150239	CVS 042-16S F5
16	VS150240	CVS 042-16 F5
18	VS150241	CVS 042-18 F5
20	VS150242	CVS 042-20 F5
22	VS150243	CVS 042-22 F5
24	VS150244	CVS 042-24 F5
28	VS150245	CVS 042-28 F5
32	VS150246	CVS 042-32 F5
36	VS150247	CVS 042-36 F5
40	VS150248	CVS 042-40 F5

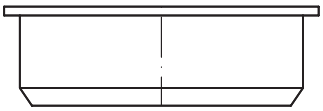
Dimensions in mm

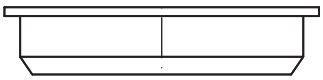
Protective Plastic Dust Caps

Accessories For Connectors

These caps are used to protect connectors against dust.
They are not included in the connectors and have to be ordered separately.

The drawings are indicative only and they could be change according to the size





Caps for connectors version: shell type with ramp

Shell size	Part Number	Short Description
10SL	VS412110	PCVB 043-10
10SL (CVS version only)	VS412111	PCVS 043-10
14S	VS412112	PCV 043-14
16/16S	VS412113	PCV 043-16
18	VS412114	PCV 043-18
20	VS412115	PCV 043-20
22	VS412116	PCV 043-22
24	VS412117	PCV 043-24
28	VS412118	PCV 043-28
32	VS412119	PCV 043-32
36	VS412120	PCV 043-36
40	VS412121	PCV 043-40
GVJ	VS412122	PGVJ 043

Caps for connector version: shell type with coupling nut

Shell size	Part Number	Short Description
10SL	VS412123	PCVB 042-10
10SL (CVS version only)	VS412124	PCVS 042-10
14S	VS412125	PCV 042-14
16/16S	VS412126	PCV 042-16
18	VS412127	PCV 042-18
20	VS412128	PCV 042-20
22	VS412129	PCV 042-22
24	VS412130	PCV 042-24
28	VS412148	PCV 042-28
32	VS412144	PCV 042-32
36	VS412145	PCV 042-36
40	VS412146	PCV 042-40

Caps for connector version: shell type with rubber covered coupling nut

Shell size	Part Number	Short Description
10SL	VS412156	PCVBSG 042-10
14S	VS412157	PCVBSG 042-14
16S	VS412158	PCVBSG 042-16
18	VS412159	PCVBSG 042-18
20	VS412160	PCVBSG 042-20
22	VS412161	PCVBSG 042-22
24	VS412162	PCVBSG 042-24
28	VS412163	PCVBSG 042-28
32	VS412164	PCVBSG 042-32
36	VS412165	PCVBSG 042-36
40	VS412166	PCVBSG 042-40
GVJ	VS412147	PGVJ 042

Connector Closure Plate

CVS-CVB-CVBS-CVBSG-CVBR - Accessories For Connectors

Connector Closur Plate in stainless steel alloy provided with chloroprene rubber Gasket

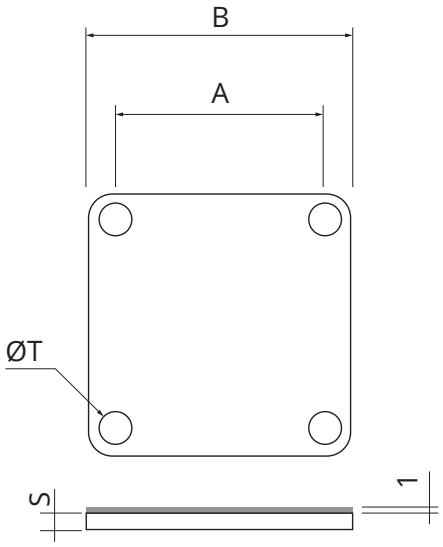


Plate and Gaskets for mounting panel connectors

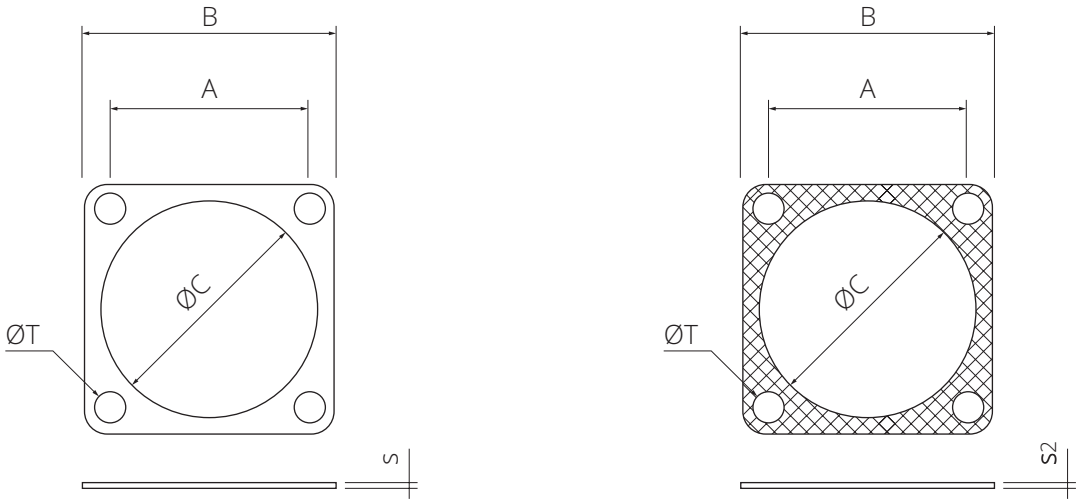
Shell size	Part Number Non conductive	Short Description Non conductive	A ±0.1	B ±0.2	S	ØT
10SL	VS412521	C026-10	18.2	18.2	3	3.1
14S	VS412520	C026-14	23	23	3	3.1
16S/16	VS412519	C026-16	24.6	24.6	4	3.1
18	VS412518	C026-18	27	27	4	3.1
20	VS412517	C026-20	29.4	29.4	4	3.1
22	VS412516	C026-22	31.8	31.8	4	3.1
24	VS412515	C026-24	34.9	34.9	4	3.7
28	VS412514	C026-28	39.7	39.7	4	3.7
32	VS412513	C026-32	44.5	44.5	4	4.4
36	VS412512	C026-36	49.2	49.2	4	4.4
40	VS412511	C026-40	55.6	55.6	4	4.4

Dimensions in mm

Connector Mounting Gaskets

CVS-CVB-CVBS-CVBSG-CVBR - Accessories For Connectors

These gaskets are used to make panel connectors water resistant.



Gaskets for front mounting panel connectors (00 - 020 - 02 - 05 connectors):

- gasket C215: non conductive chloroprene rubber gasket (IP67 protection)
- gasket C215R: conductive chloroprene rubber gasket with embedded metal screen (IP65 protection).
  These gaskets guarantee watertightness and RFI shielding

Shell size	Part Number Non conductive	Short Description Non conductive	Part Number Conductive	Short Description Conductive	A ±0.2	B -0 +0.4	ØC ±0.3	S C215	S2 C215R	ØT ±0.3
10SL	VS412301	C215-10	VS412351	C215R-10	18.2	25.4	16.3	1±0.3	0.5±0.2	4.3
14S	VS412302	C215-14	VS412352	C215R-14	23	30.2	22.2	1±0.3	0.5±0.2	4.3
16S/16	VS412303	C215-16	VS412353	C215R-16	24.6	32.5	25.4	1±0.3	0.5±0.2	4.3
18	VS412304	C215-18	VS412354	C215R-18	27	35	28.6	1±0.3	0.5±0.2	5.1
20	VS412305	C215-20	VS412355	C215R-20	29.4	38.1	31.8	1±0.3	0.5±0.2	5.1
22	VS412306	C215-22	VS412356	C215R-22	31.8	41.2	34.9	1±0.3	0.5±0.2	5.1
24	VS412307	C215-24	VS412357	C215R-24	34.9	44.5	38.1	1±0.3	0.5±0.2	5.1
28	VS412308	C215-28	VS412358	C215R-28	39.7	50.8	44.5	1±0.3	0.5±0.2	5.1
32	VS412309	C215-32	VS412359	C215R-32	44.5	57	50.8	1±0.3	0.5±0.2	5.5
36	VS412314	C215-36	VS412360	C215R-36	49.2	63.5	55.6	1±0.3	0.5±0.2	5.5
40	VS412315	C215-40	VS412361	C215R-40	55.5	69.9	61.9	1±0.3	0.5±0.2	5.5

Gaskets for rear mounting panel connectors (03 - 030 - 038 connectors):

- gasket C216: non conductive chloroprene rubber gasket (IP67 protection)
- gasket C216R: conductive chloroprene rubber gasket with embedded metal screen (IP65 protection).
  These gaskets guarantee watertightness and RFI shielding

Shell size	Part Number Non conductive	Short Description Non conductive	Part Number Conductive	Short Description Conductive	A ±0.2	B -0 +0.4	ØC ±0.3	S C216	S2 C216R	ØT ±0.3
10SL	VS412401	C216-10	VS412451	C216R-10	18.2	25.4	18.2	0.8±0.3	0.5±0.2	4.2
14S	VS412402	C216-14	VS412452	C216R-14	23	30.2	24.6	0.8±0.3	0.5±0.2	4.2
16S/16	VS412403	C216-16	VS412453	C216R-16	24.6	32.5	27.4	0.8±0.3	0.5±0.2	4.2
18	VS412404	C216-18	VS412454	C216R-18	27	35	30.8	0.8±0.3	0.5±0.2	4.2
20	VS412405	C216-20	VS412455	C216R-20	29.4	38.1	34.2	0.8±0.3	0.5±0.2	4.2
22	VS412406	C216-22	VS412456	C216R-22	31.8	41.2	37.4	0.8±0.3	0.5±0.2	4.2
24	VS412407	C216-24	VS412457	C216R-24	34.9	44.5	40.9	0.8±0.3	0.5±0.2	4.2
28	VS412408	C216-28	VS412458	C216R-28	39.7	50.8	46.7	0.8±0.3	0.5±0.2	5.1
32	VS412409	C216-32	VS412459	C216R-32	44.5	57	53.4	0.8±0.3	0.5±0.2	5.1
36	VS412410	C216-36	VS412460	C216R-36	49.2	63.5	59.6	0.8±0.3	0.5±0.2	5.1
40	VS412411	C216-40	VS412461	C216R-40	55.5	69.9	65.5	0.8±0.3	0.5±0.2	5.1

On request: RF flame resistant gasket, (V) Fluoride rubber or (S) silicone gaskets.
These gaskets are not needed by GVJ connectors.

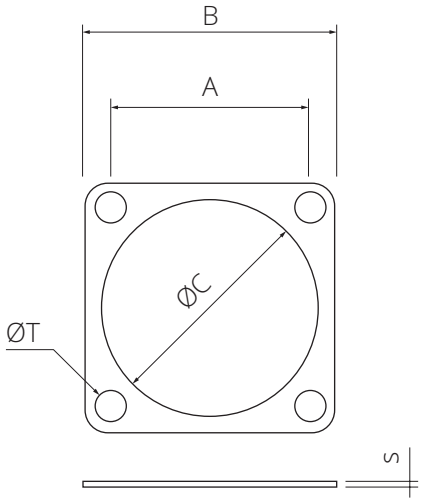
Dimensions in mm

G3 Shielded Gaskets

CVS-CVB-CVBS-CVBSG-CVBR - Accessories For Connectors

Gaskets C215G3 and C216G3: conductive silicone gaskets with embedded metal screen.
These gaskets guarantee watertightness and RFI shielding

- Elastomer binder: Silicone
- Conductive filler: Nickel Graphite
- Color: Gray
- Operating Temperature range: -60 °C ÷ +220 °C
- Flammability Rating: UL 94-V0
- Salt spray test > 96 h (consult our sales office for details)
- IP67 protection (EN 60529)



C215 Gaskets for front mounting panel connectors (00 - 020 - 02 connectors):

Shell size	Part Number Conductive	Short Description Conductive	A ±0.2	B -0 +0.4	ØC ±0.3	S C215G3	ØT ±0.3
10SL	VS412331	C215G3-10	18.2	25.4	16.3	0.8±0.2	4.3
14S	VS412332	C215G3-14	23	30.2	22.2	0.8±0.2	4.3
16S/16	VS412333	C215G3-16	24.6	32.5	25.4	0.8±0.2	4.3
18	VS412334	C215G3-18	27	35	28.6	0.8±0.2	5.1
20	VS412335	C215G3-20	29.4	38.1	31.8	0.8±0.2	5.1
22	VS412336	C215G3-22	31.8	41.2	34.9	0.8±0.2	5.1
24	VS412337	C215G3-24	34.9	44.5	38.1	0.8±0.2	5.1
28	VS412338	C215G3-28	39.7	50.8	44.5	0.8±0.2	5.1
32	VS412339	C215G3-32	44.5	57	50.8	0.8±0.2	5.5
36	VS412340	C215G3-36	49.2	63.5	55.6	0.8±0.2	5.5
40	VS412341	C215G3-40	55.5	69.9	61.9	0.8±0.2	5.5

C216 Gaskets for rear mounting panel connectors (03 - 030 - 038 connectors):

Shell size	Part Number Conductive	Short Description Conductive	A ±0.2	B -0 +0.4	ØC ±0.3	S C216G3	ØT ±0.3
10SL	VS412431	C216G3-10	18.2	25.4	18.2	0.8±0.2	4.2
14S	VS412432	C216G3-14	23	30.2	24.6	0.8±0.2	4.2
16S/16	VS412433	C216G3-16	24.6	32.5	27.4	0.8±0.2	4.2
18	VS412434	C216G3-18	27	35	30.8	0.8±0.2	4.2
20	VS412435	C216G3-20	29.4	38.1	34.2	0.8±0.2	4.2
22	VS412436	C216G3-22	31.8	41.2	37.4	0.8±0.2	4.2
24	VS412437	C216G3-24	34.9	44.5	40.9	0.8±0.2	4.2
28	VS412438	C216G3-28	39.7	50.8	46.7	0.8±0.2	5.1
32	VS412439	C216G3-32	44.5	57	53.4	0.8±0.2	5.1
36	VS412440	C216G3-36	49.2	63.5	59.6	0.8±0.2	5.1
40	VS412441	C216G3-40	55.5	69.9	65.5	0.8±0.2	5.1

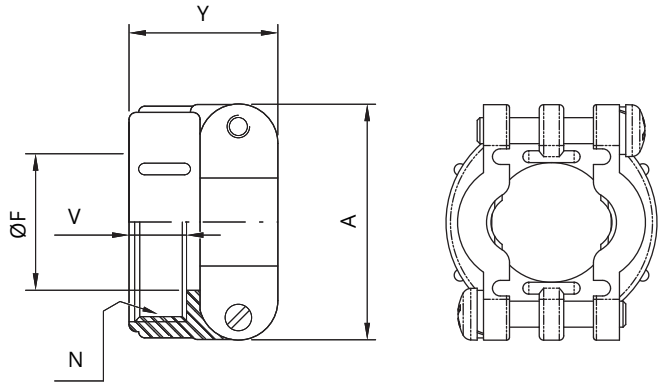
Dimensions in mm

Cable-Clamps A type

CVS-CVB-CVBS-CVBSG-CVBR - Accessories For Connectors

MS 3057 - ...A Cable-Clamps, general duty

These Cable-Clamps keep the cable in the connector axial position and guarantee an excellent mechanical strain relief.
MS 3420 or RF 3420 Bushing are not waterproof and are generally supplied separately except for classes AF,F,LAF and LF connectors.



Finishes : F7 Black epoxy varnish (***RoHS compliance***)

Shell size	Part Number	Short Description	Y max	V ±0.2	A max	ØF max cable Ø	N Thread in inches
10SL	VS705201	MS 3057-4A F7	20.6	10.5	22.5	8	5/8"-24 UNEF
14S	VS705202	MS 3057-6A F7	22.2	10.5	28	11	3/4"-20 UNEF
16S -16	VS705203	MS 3057-8A F7	25	10.5	30	14.2	7/8"-20 UNEF
18	VS705204	MS 3057-10A F7	25	10.5	31.7	15.8	1"-20 UNEF
20 - 22	VS705205	MS 3057-12A F7	25	10.5	37.5	19	1" 3/16-18 UNEF
24 - 28	VS705206	MS 3057-16A F7	26	10.5	43.5	23.8	1" 7/16-18 UNEF
32	VS705207	MS 3057-20A F7	28	12.5	51.7	31.7	1" 3/4-18 UNS
36	VS705208	MS 3057-24A F7	29.4	14	58.5	35	2"-18 UNS
40	VS705209	MS 3057-28A F7	42.8	14	68.5	41.2	2"1/4-16 UN

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number	Short Description	Y max	V ±0.2	A max	ØF max cable Ø	N Thread in inches
10SL	VS705211	MS 3057-4A F4	20.6	10.5	22.5	8	5/8"-24 UNEF
14S	VS705212	MS 3057-6A F4	22.2	10.5	28	11	3/4"-20 UNEF
16S -16	VS705213	MS 3057-8A F4	25	10.5	30	14.2	7/8"-20 UNEF
18	VS705214	MS 3057-10A F4	25	10.5	31.7	15.8	1"-20 UNEF
20 - 22	VS705215	MS 3057-12A F4	25	10.5	37.5	19	1" 3/16-18 UNEF
24 - 28	VS705216	MS 3057-16A F4	26	10.5	43.5	23.8	1" 7/16-18 UNEF
32	VS705217	MS 3057-20A F4	28	12.5	51.7	31.7	1" 3/4-18 UNS
36	VS705218	MS 3057-24A F4	29.4	14	58.5	35	2"-18 UNS
40	VS705219	MS 3057-28A F4	42.8	14	68.5	41.2	2"1/4-16 UN

Finishes : F16 CCF - Black passivation (***RoHS compliance***) - conductive

Shell size	Part Number	Short Description	Y max	V ±0.2	A max	ØF max cable Ø	N Thread in inches
10SL	VS705221	MS 3057-4A F16	20.6	10.5	22.5	8	5/8"-24 UNEF
14S	VS705222	MS 3057-6A F16	22.2	10.5	28	11	3/4"-20 UNEF
16S -16	VS705223	MS 3057-8A F16	25	10.5	30	14.2	7/8"-20 UNEF
18	VS705224	MS 3057-10A F16	25	10.5	31.7	15.8	1"-20 UNEF
20 - 22	VS705225	MS 3057-12A F16	25	10.5	37.5	19	1" 3/16-18 UNEF
24 - 28	VS705226	MS 3057-16A F16	26	10.5	43.5	23.8	1" 7/16-18 UNEF
32	VS705227	MS 3057-20A F16	28	12.5	51.7	31.7	1" 3/4-18 UNS
36	VS705228	MS 3057-24A F16	29.4	14	58.5	35	2"-18 UNS
40	VS705229	MS 3057-28A F16	42.8	14	68.5	41.2	2"1/4-16 UN

Finishes : F5 Electroless nickel (***RoHS compliance***)

Shell size	Part Number	Short Description	Y max	V ±0.2	A max	ØF max cable Ø	N Thread in inches
10SL	VS705231	MS 3057-4A F5	20.6	10.5	22.5	8	5/8"-24 UNEF
14S	VS705232	MS 3057-6A F5	22.2	10.5	28	11	3/4"-20 UNEF
16S -16	VS705233	MS 3057-8A F5	25	10.5	30	14.2	7/8"-20 UNEF
18	VS705234	MS 3057-10A F5	25	10.5	31.7	15.8	1"-20 UNEF
20 - 22	VS705235	MS 3057-12A F5	25	10.5	37.5	19	1" 3/16-18 UNEF
24 - 28	VS705236	MS 3057-16A F5	26	10.5	43.5	23.8	1" 7/16-18 UNEF
32	VS705237	MS 3057-20A F5	28	12.5	51.7	31.7	1" 3/4-18 UNS
36	VS705238	MS 3057-24A F5	29.4	14	58.5	35	2"-18 UNS
40	VS705239	MS 3057-28A F5	42.8	14	68.5	41.2	2"1/4-16 UN

Dimensions in mm

Bushing for Cable-Clamps A type

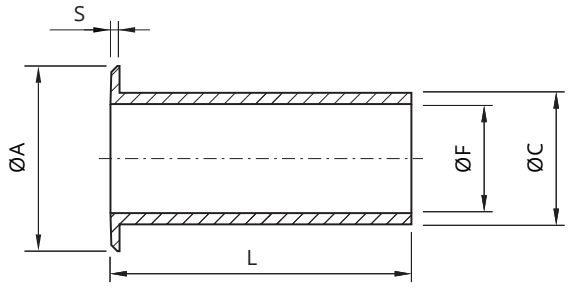
CVS-CVB-CVBS-CVBSG-CVBR - Accessories For Connectors

MS 3420 - ... - RF 3420 - ... Bushing
They are made of elastomeric rubber and used with Cable-Clamps MS3057 - ...A to protect the cable.

In the same Cable-Clamps it is possible to assemble more than one bushing (inside each other) so to achieve diameters much smaller than the nominal.

Available in two versions:

- MS 3420 - ... in neoprene rubber.
- RF 3420 - ... in flame resistant rubber.



Neoprene rubber

Shell size	Part Number	Short Description	For Cable gland	ØA ±0.4	ØF ±0.4	ØC ±0.4	S ±0.4	L ±0.4
10SL	VS705401	MS 3420-4	MS 3057-4A	12.8	5.6	7.6	1.6	69.8
14S	VS705402	MS 3420-6	MS 3057-6A	15.7	7.9	10.8	1.6	66.8
16S -16	VS705403	MS 3420-8	MS 3057-8A	18.8	11	14	1.6	63.5
18	VS705404	MS 3420-10	MS 3057-10A	22	14.2	15.6	1.6	60.3
20 - 22	VS705405	MS 3420-12	MS 3057-12A	27	15.8	18.8	1.6	57.1
24 - 28	VS705406	MS 3420-16	MS 3057-16A	33.3	19	23.6	1.6	53.9
32	VS705407	MS 3420-20	MS 3057-20A	40.5	23.8	31.5	1.6	50.8
36	VS705408	MS 3420-24	MS 3057-24A	46.9	31.7	34.8	1.6	47.6
40	VS705409	MS 3420-28	MS 3057-28A	52.9	34.9	41	1.6	44.4

Flame resistant rubber

Shell size	Part Number	Short Description	For Cable gland	ØA ±0.4	ØF ±0.4	ØC ±0.4	S ±0.4	L ±0.4
10SL	VS705411	RF 3420-4	MS 3057-4A	12.8	5.6	7.6	1.6	69.8
14S	VS705412	RF 3420-6	MS 3057-6A	15.7	7.9	10.8	1.6	66.8
16S -16	VS705413	RF 3420-8	MS 3057-8A	18.8	11	14	1.6	63.5
18	VS705414	RF 3420-10	MS 3057-10A	22	14.2	15.6	1.6	60.3
20 - 22	VS705415	RF 3420-12	MS 3057-12A	27	15.8	18.8	1.6	57.1
24 - 28	VS705416	RF 3420-16	MS 3057-16A	33.3	19	23.6	1.6	53.9
32	VS705417	RF 3420-20	MS 3057-20A	40.5	23.8	31.5	1.6	50.8

On request: V = Fluoride Rubber S = Silicone Rubber

Dimensions in mm

Cable-Clamps C type

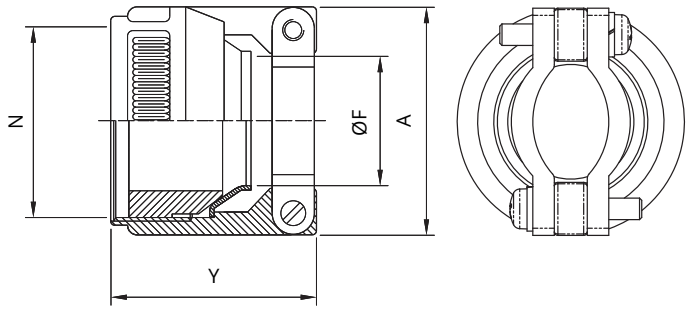
CVS-CVB-CVBS-CVBSG-CVBR - GVJ - Accessories For Connectors

IP67

MS 3057 - ...C - RF 3057 - ...C water tight Cable-Clamps

Besides guaranteeing an excellent mechanical strain relief keeping the cable in the centre of the connector, these Cable-Clamps are provided with an internal conical rubber bushing ensuring waterproof protection.
The screws in stainless steel have elastic rose-cut antivibration head.
Available in two versions:

- MS 3057 - ...C with gasket in neoprene rubber.
- RF 3057 - ...C with gasket in flame resistant rubber.



Type	Shell size	Y max	A max	ØF cable min	ØF cable max	N Thread in inches
4C	10SL	33.4	23	2.4	7.9	5/8"-24 UNEF
6C	14S	32.3	26	5.8	11.2	3/4"-20 UNEF
8C	16S -16	32.3	28.5	8	13.5	7/8"-20 UNEF
10C	18	35	32	9.6	15.9	1"-20 UNEF
12C	20 - 22	35.7	37.5	11.3	19	1" 3/16-18 UNEF
16C	24 - 28	39	43.5	15.5	23.8	1" 7/16-18 UNEF
20C	32	44.8	54	23.4	31.8	1" 3/4-18 UNS
24C	36	52	58	25.4	35	2"-18 UNS
28C	40 - GVJ	52.3	63.5	30	41.3	2"1/4-16 UN

Finishes : F7 Black epoxy varnish (***RoHS compliance)***

Shell size	Part Number neoprene rubber	Short Description neoprene rubber	Part Number flame resistant rubber	Short Description flame resistant rubber
10SL	VS705251	MS 3057-4C F7	VS705301	RF 3057-4C F7
14S	VS705252	MS 3057-6C F7	VS705302	RF 3057-6C F7
16S -16	VS705253	MS 3057-8C F7	VS705303	RF 3057-8C F7
18	VS705254	MS 3057-10C F7	VS705304	RF 3057-10C F7
20 - 22	VS705255	MS 3057-12C F7	VS705305	RF 3057-12C F7
24 - 28	VS705256	MS 3057-16C F7	VS705306	RF 3057-16C F7
32	VS705257	MS 3057-20C F7	VS705307	RF 3057-20C F7
36	VS705258	MS 3057-24C F7	VS705308	RF 3057-24C F7
40 - GVJ	VS705259	MS 3057-28C F7	VS705309	RF 3057-28C F7

Finishes : F4 CCF - Green passivation - conductive

Shell size	Part Number neoprene rubber	Short Description neoprene rubber	Part Number flame resistant rubber	Short Description flame resistant rubber
10SL	VS705261	MS 3057-4C F4	VS705311	RF 3057-4C F4
14S	VS705262	MS 3057-6C F4	VS705312	RF 3057-6C F4
16S -16	VS705263	MS 3057-8C F4	VS705313	RF 3057-8C F4
18	VS705264	MS 3057-10C F4	VS705314	RF 3057-10C F4
20 - 22	VS705265	MS 3057-12C F4	VS705315	RF 3057-12C F4
24 - 28	VS705266	MS 3057-16C F4	VS705316	RF 3057-16C F4
32	VS705267	MS 3057-20C F4	VS705317	RF 3057-20C F4
36	VS705268	MS 3057-24C F4	VS705318	RF 3057-24C F4
40	VS705269	MS 3057-28C F4	VS705319	RF 3057-28C F4

Finishes : F16 CCF - Black passivation (***RoHS compliance)*** - conductive

Shell size	Part Number neoprene rubber	Short Description neoprene rubber	Part Number flame resistant rubber	Short Description flame resistant rubber
10SL	VS705271	MS 3057-4C F16	VS705321	RF 3057-4C F16
14S	VS705272	MS 3057-6C F16	VS705322	RF 3057-6C F16
16S -16	VS705273	MS 3057-8C F16	VS705323	RF 3057-8C F16
18	VS705274	MS 3057-10C F16	VS705324	RF 3057-10C F16
20 - 22	VS705275	MS 3057-12C F16	VS705325	RF 3057-12C F16
24 - 28	VS705276	MS 3057-16C F16	VS705326	RF 3057-16C F16
32	VS705277	MS 3057-20C F16	VS705327	RF 3057-20C F16
36	VS705278	MS 3057-24C F16	VS705328	RF 3057-24C F16
40 - GVJ	VS705279	MS 3057-28C F16	VS705329	RF 3057-28C F16

Finishes : F5 Electroless nickel (***RoHS compliance)***

Shell size	Part Number neoprene rubber	Short Description neoprene rubber
10SL	VS705281	MS 3057-4C F5
14S	VS705282	MS 3057-6C F5
16S -16	VS705283	MS 3057-8C F5
18	VS705284	MS 3057-10C F5
20 - 22	VS705285	MS 3057-12C F5
24 - 28	VS705286	MS 3057-16C F5
32	VS705287	MS 3057-20C F5
36	VS705288	MS 3057-24C F5
40	VS705289	MS 3057-28C F5

Gasket on request: V = Fluoride Rubber - S = Silicone Rubber

Dimensions in mm

Bushing for Cable-Clamps C type

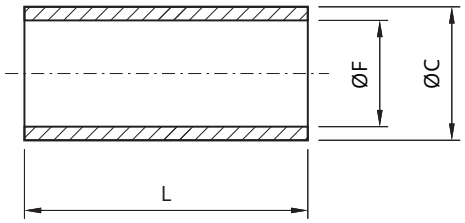
CVS-CVB-CVBS-CVBSG-CVBR - GVJ - Accessories For Connectors

MS 3420 - ...A - RF 3420 - ...A Bushing

They are made of elastomeric rubber and used with Cable-Clamps MS 3057 - ...C to protect the cable. They allow using cables with diameter smaller than the nominal.

Available in two versions:

- MS 3420 - ...A in neoprene rubber.
- RF 3420 - ...A in flame resistant rubber (on request).



Neoprene rubber

Shell size	Part Number	Short Description	For Cable gland	ØF ±0.4	ØC ±0.4	L ±0.8
10SL	VS705421	MS 3420-4A	MS 3057-4C	5.6	7.8	50.8
14S	VS705422	MS 3420-6A	MS 3057-6C	7.9	11	50.8
16S -16	VS705423	MS 3420-8A	MS 3057-8C	11.1	13.6	50.8
18	VS705424	MS 3420-10A	MS 3057-10C	11.1	15.8	50.8
20 - 22	VS705425	MS 3420-12A	MS 3057-12C	13.7	18.9	50.8
24 - 28	VS705426	MS 3420-16A	MS 3057-16C	19	23.7	50.8
32	VS705427	MS 3420-20A	MS 3057-20C	23.8	31.6	50.8
36	VS705428	MS 3420-24A	MS 3057-24C	28.5	35	50.8
40 - GVJ	VS705429	MS 3420-28A	MS 3057-28C	31.8	41.1	50.8

Flame resistant rubber

Shell size	Part Number	Short Description	For Cable gland	ØF ±0.4	ØC ±0.8	L ±2
10SL	VS705431	RF 3420-4A	RF 3057-4C	5.6	7.8	50.8
14S	VS705432	RF 3420-6A	RF 3057-6C	7.9	11	50.8
16S -16	VS705433	RF 3420-8A	RF 3057-8C	11.1	13.6	50.8
18	VS705434	RF 3420-10A	RF 3057-10C	11.1	15.8	50.8
20 - 22	VS705435	RF 3420-12A	RF 3057-12C	13.7	18.9	50.8
24 - 28	VS705436	RF 3420-16A	RF 3057-16C	19	23.7	50.8
32	VS705437	RF 3420-20A	RF 3057-20C	23.8	31.6	50.8
36	VS705438	RF 3420-24A	RF 3057-24C	28.5	35	50.8
40 - GVJ	VS705439	RF 3420-28A	RF 3057-28C	31.8	41.1	50.8

On request: V = Fluoride Rubber S = Silicone Rubber

Dimensions in mm

Cable Glands - PG or metric threaded

Accessories For Connectors

PG or metric threaded Cable Glands

Cable Glands with protection for spiral-shaped cables

These Cable Glands guarantee an excellent strain relief resistance with waterproof protection (IP68 and IP69).
The body is in plastic material (Polyamide or black colored Nylon – Operating temperature -25 °C to + 100 °C) or metallic material (Brass with nickel finish – operating temperature -30 °C to +100 °C).

They both prevent the cable from twisting when coupling the connectors.
The plastic version is provided with an anti-vibration system to prevent the Cable Glands from becoming loose.
Compared to other cable retention systems this solution is more economical.

These adapters are available with PG or metric thread and can be used with connector classes DA...PG, DA...M, RA...PG and RA...M.
Cable Glands with protection for spiral-shaped cables (only for PG sizes 7 to 21 or metric 12 to 32) are available on request.
They eliminate possible damage caused by the cable bending on the cable-connector interface. Therefore these are often used with cables where a small conductor can be easily damaged.

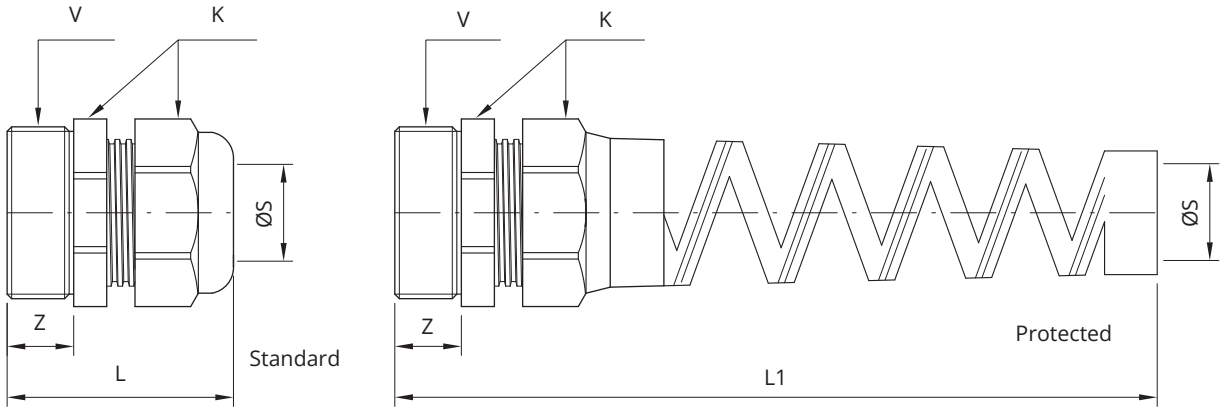
Plastic Cable Glands

Part Number	Short Description	Part Number Protected	Short Description Protected	V	ØS Clamping range	K	Z	L	L1
VS705021	AL PG7 P	VS705041	AL PG7 PP	PG 7	2.5-6.5	15	8	32	62
VS705022	AL PG9 P	VS705042	AL PG9 PP	PG 9	3.5-8	19	8	36	73.5
VS705023	AL PG11 P	VS705043	AL PG11 PP	PG 11	4-10	22	8	38	86
VS705024	AL PG13.5 P	VS705044	AL PG13.5 PP	PG 13.5	6-12	24	9	41	98
VS705025	AL PG16 P	VS705045	AL PG16 PP	PG 16	9-14	27	10	44	111.5
VS705026	AL PG21 P	VS705046	AL PG21 PP	PG 21	13-18	33	11	49	129
VS705027	AL PG29 P	-	-	PG 29	14-25	42	11	56	
VS705028	AL PG36 P	-	-	PG 36	24-32	53	13	66	
VS705029	AL PG42 P	-	-	PG 42	35-38	60	13	68	
VS705031	AL M12 P	VS705051	AL M12 PP	M12x1.5	3.5-7	15	8	30	64
VS705032	AL M16 P	VS705052	AL M16 PP	M16x1.5	4.5-10	19	8	34	86
VS705033	AL M20 P	VS705053	AL M20 PP	M20x1.5	7-13	25	9	37	101
VS705034	AL M25 P	VS705054	AL M25 PP	M25x1.5	9-17	30	10	40	125
VS705035	AL M32 P	VS705055	AL M32 PP	M32x1.5	11-21	36	10	47	149
VS705036	AL M40 P	-	-	M40x1.5	19-28	46	10	52	
VS705037	AL M50 P	-	-	M50x1.5	27-35	55	12	62	

Dimensions in mm

Cable Glands - PG or metric threaded

Accessories For Connectors



Metallic Cable Glands

Part Number	Short Description	V	ØS Clamping range	K	Z	L
VS705001	AL PG7 M	PG 7	2-6.5	15	8	32
VS705002	AL PG9 M	PG 9	3-8	19	8	36
VS705003	AL PG11 M	PG 11	4-10	22	8	38
VS705004	AL PG13.5 M	PG 13.5	5-12	24	9	41
VS705005	AL PG16 M	PG 16	8-14	27	10	44
VS705006	AL PG21 M	PG 21	11-18	33	11	49
VS705007	AL PG29 M	PG 29	16-25	42	11	56
VS705008	AL PG36 M	PG 36	19-32	53	13	66
VS705009	AL PG42 M	PG 42	28-38	60	13	68
VS705011	AL M12 M	M12x1.5	3.5-7	15	8	30
VS705012	AL M16 M	M16x1.5	4.5-10	19	8	34
VS705013	AL M20 M	M20x1.5	7-13	25	9	37
VS705014	AL M25 M	M25x1.5	9-17	30	10	40
VS705015	AL M32 M	M32x1.5	11-21	36	10	47
VS705016	AL M40 M	M40x1.5	19-28	46	10	52
VS705017	AL M50 M	M50x1.5	27-35	55	12	62

Metallic Cable Glands - Shielded

Part Number	Short Description	V	ØS Clamping range	K	Z	L
On Request	AL M12 E	M12x1.5	3.5-7	16	6.5	26.5
On Request	AL M16 E	M16x1.5	4.5-9	20	7	33
On Request	AL M20 E	M20x1.5	7-13	24	8	37
On Request	AL M25 E	M25x1.5	9-17	29	8	38.5
VS705067	AL M32 E	M32x1.5	11-21	36	9	45.5
On Request	AL M40 E	M40x1.5	19-28	45	9	48
On Request	AL M50 E	M50x1.5	27-35	54	10	55.5

Metallic Cable Glands - Short

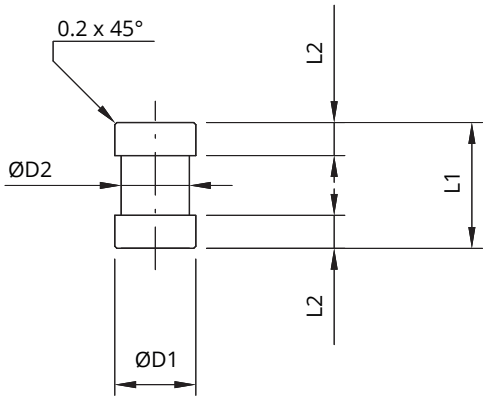
Part Number	Short Description	V	ØS Clamping range	K	Z	L
On Request	AL M25 S	M25x1.5	11-18	30	5	37
On Request	AL M32 S	M32x1.5	16-25	40	5	43

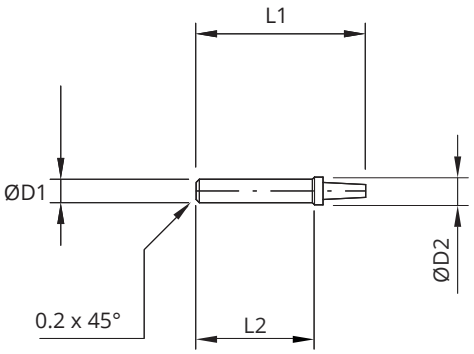
Dimensions in mm

Contacts hole plugs for inserts

Accessories For Connectors

These are employed when not all contact cavities of inserts are used.





* Size 20 / 16

Contact size	Part Number	Short Description	ØD1	ØD2	L1	L2
20	VS412501	A HP 20 I	1.6	2.3	14	11
18*	VS412502	A HP 18 I	-	-	-	-
16 - 16S	VS412503	A HP 16 I	2.2	2.6	15.8	10.8
12	VS412504	A HP 12 I	4.55	3.7	11.95	3.15
8	VS412505	A HP 8 I	7.6	6.4	11.8	3.1
4	VS412506	A HP 4 I	10.9	9.7	11.8	3.1
0	VS412507	A HP 0 I	15	13.5	14.3	4.3
4/0*	VS412508	A HP 4/0 I	-	-	-	-

**** On request***

Wire hole plugs for grommets on request

Dimensions in mm

Contact Crimp Tools

For the instructions concerning assembly and crimping of contacts please consult the appropriate manuals.

We recommend to respect the following general rules:

- always use the tools recommended by Radiall's catalogue or manuals
- apply the suggested norms for tool maintenance and calibration
- always use the guide pin when installing the Socket contacts size 20 - 18 - 16 and 12

When installing the contacts in the insert, use isopropyl alcohol as lubricant or the appropriate liquid.
DO NOT USE ALTERNATIVE GREASES OR OILS which could damage the insert and affect the functionality of the connector.

Part Number	Short Description	Tool
VS610001	CRT-HT120	Crimping Tool Cembre HT 120
VS610002	CRT-784/1	Crimping Tool Daniels DMC VM8
VS610003	CRT-HT45	Crimping Tool Cembre HT 45
VS610004	PCT-784	Crimping Tool Daniels DMC WA27F
VS610005	PCT-784A	Crimping Tool Daniels WA27-309-2C
VS610006	LOC-784-20	Locator (for contacts size 20) Daniels TH1A
VS610007	LOC-784-18	Locator (for contacts size 18)
VS610008	LOC-784	Locator (for ST485 contacts size 16 and 12) Daniels TURRET VH435-1
VS610009	CDI-ME1	Crimping Die Cembre ME1
VS610010	CDI-ME2	Crimping Die Cembre ME2
VS610011	CDI-ME3	Crimping Die Cembre ME3
VS610012	CDI-ME5	Crimping Die Cembre ME5
VS610013	CDI-ME14	Crimping Die Cembre M14
VS610014	CDI-ME24C	Crimping Die Cembre M24C
VS610015	CDI-ME29C	Crimping Die Cembre M29C
VS610016	LOC-KVBS-784	Locator (for KT485 contacts)
VS610017	FP-784	Foot Pedal for PCT-784 Daniels WA 10A
VS610018	AB-784	Adjustable Base Mount for PCT-784 Daniels BM2A
VS610019	CTIN-784-18/20	Insertion Tool (for ST485 contacts size 18, 20 and 16-13)
VS610020	CTIN-784-16	Insertion Tool (for ST485 contacts size 16)
VS610021	CTIN-784-18	Insertion Tool (for ST485 contacts size 18)
VS610022	CTIN-784-12/1	Insertion Tool (for ST485 xx-30, xx-38)
VS610023	CTIN-784-12	Insertion Tool (for ST485 contacts size 12)
VS610024	CTIN-784-8	Insertion Tool (for ST485 contacts size 8)
VS610025	CTIN-784-4	Insertion Tool (for ST485 contacts size 4)
VS610026	CTIN-784-4/2	Insertion Tool (for ST485 4-58)
VS610027	CTIN-784-4/1	Insertion Tool (for ST485 xx-62)
VS610028	CTIN-784-0/1	Insertion Tool (for ST485 xx-78 and xx-90)
VS610029	CTIN-784-0	Insertion Tool (for ST485 contacts size 0)
VS610030	CTES-784-20	Removal Tool (for ST485 contacts size 20)
VS610031	CTES-784-18	Removal Tool (for ST485 contacts size 18)
VS610032	CTES-784-16	Removal Tool (for ST485 contacts size 16)
VS610033	CTES-784-12	Removal Tool (for ST485 contacts size 12)
VS610034	CTES-784-8	Removal Tool (for ST485 contacts size 8)
VS610035	CTES-784-4	Removal Tool (for ST485 contacts size 4)
VS610036	CTES-784-0	Removal Tool (for ST485 contacts size 0)
VS610038	CTES-784-4/0	Removal Tool (for ST485 contacts size 4/0)
VS610040	KTES-784-16	Removal Tool (for KT contacts size 16)
VS610041	KTES-784-12	Removal Tool (for KT contacts size 12)
VS610042	KTES-784-8	Removal Tool (for KT contacts size 8)
VS610043	KTRS-784-12	Tool to close retention spring (for KT contacts size 12)
VS610048	CRT-HT131	Crimping Tool HT 131 C
VS610049	CDI-ME48C	Crimping Die Cembre ME48C
VS610050	CDI-ME60C	Crimping Die Cembre ME60C
VS610051	CDI-VS61137	Crimping Die (for ST485 contacts size 8-22)
VS610052	GP-784-20	Guide Pin Size 20
VS610053	GP-784-18	Guide Pin Size 18
VS610054	GP-784-16	Guide Pin Size 16
VS610055	GP-784-12	Guide Pin Size 12
VS610056	CDI-VS61138	Crimping Die (for KT485 contacts size 8-38)
VS610059	CDI-ME37C	Crimping Die Cembre ME37C
VS610060	CDI-ME17C	Crimping Die Cembre ME17C
VS610061	CDI-ME20C	Crimping Die Cembre ME20C
VS610062	CDI-ME30C	Crimping Die Cembre ME30C
VS610077	CDI-ME7	Crimping Die Cembre ME7
VS610080	CDI-VS61186	Crimping Die (for ST485 contacts size 0-135)

Contact ST Crimp Tools

CVS-CVB-CVBS-CVBSG-CVBR-GVJ (For Rubber Insert)

Contact size	Short Description	mm² section	AWG section	Manual crimp tool	Pneumatic crimp tool	Locator /Die	Insertion tool	Removal tool	Guide pin	Stripping length mm
20	ST485 20P/1/S	0.15÷0.3	26÷22	CRT-784/1	PCT-784	LOC-784-20	CTIN-784-18/20	CTES-784-20	GP-784-20	4
20	ST485 20P/2	0.15÷0.3	26÷22	CRT-784/1	PCT-784	LOC-784-20	CTIN-784-18/20	CTES-784-20	**	4
20	ST485 20P/3	0.15÷0.3	26÷22	CRT-784/1	PCT-784	LOC-784-20	CTIN-784-18/20	CTES-784-20	**	4
18	ST485 18P/S	0.15÷0.6	26÷20	CRT-784/1	PCT-784	LOC-784-18	CTIN-784-18/20	CTES-784-18	GP-784-18	4.5
16S	ST485 16SP/S	1÷1.5	18÷16	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-11P/S	0.25÷0.5	22-20	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-12P/S	0.15÷0.75	20	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-15P/S	0.75÷1	18	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-17P/S	0.75	16	**	**	**	**	**	**	6.3
16S	ST485 16S-19P/S	1.5÷2.5	16÷14	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-20P/S	1÷2	18÷14	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16S	ST485 16S-26P/S	2.5÷3	12	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.8
16	ST485 16P/S	1÷1.5	18÷16	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-08P/S	0.15÷0.2	26÷24	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-12P/S	0.15÷0.75	20	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-13P/S	0.15÷0.6	26÷20	CRT-784/1	PCT-784	LOC-784	CTIN-784-18	CTES-784-16	GP-784-16	6.3
16	ST485 16-14P/S	0.75	18	CRT-784/1	PCT-784	LOC-784	CTIN-784-18	CTES-784-16	GP-784-16	6.3
16	ST485 16-15P/S	0.75÷1	18	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-17P/S	0.5÷1.5	20÷16	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-19P/S	1.5÷2.5	16÷14	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-20P/S	1÷2	18÷14	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.3
16	ST485 16-26P/S	2.5÷3	12	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-16	GP-784-16	6.8
12	ST485 12-11P/S	0.5	22-20	**	**	**	**	**	**	8.3
12	ST485 12-12P/S	0.15÷0.75	20	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-12	GP-784-12	8.3
12	ST485 12-15P/S	0.75÷1	18	CRT-784/1	PCT-784	LOC-784	CTIN-784-16	CTES-784-12	GP-784-12	8.3
12	ST485 12-20P/S	1÷2	18÷14	CRT-784/1	PCT-784	LOC-784	CTIN-784-12	CTES-784-12	GP-784-12	6.5
12	ST485 12-22P/S	2.5	-	CRT-784/1	PCT-784	LOC-784	CTIN-784-12	CTES-784-12	GP-784-12	8.3
12	ST485 12P/S	3	12	CRT-784/1	PCT-784	LOC-784	CTIN-784-12	CTES-784-12	GP-784-12	8.3
12	ST485 12-30P/S	4	-	CRT-784/1	PCT-784-A	LOC-784	CTIN-784-12/1	CTES-784-12	GP-784-12	8.3
12	ST485 12-38P/S	6	-	CRT-784/1	PCT-784-A	LOC-784	CTIN-784-12/1	CTES-784-12	GP-784-12	8
8	ST485 8P/S	-	8	CRT-HT45	-	CDI-ME2	CTIN-784-8	CTES-784-8	-	12
8	ST485 8-15P/S	1	18	**	-	**	**	**	-	**
8	ST485 8-18P/S	1÷2	18÷14	CRT-HT45	-	CDI-VS61137	CTIN-784-8	CTES-784-8	-	12
8	ST485 8-22P/S	2.5	-	CRT-HT45	-	CDI-VS61137	CTIN-784-8	CTES-784-8	-	12
8	ST485 8-26P/S	3	12	CRT-HT45	-	CDI-VS61137	CTIN-784-8	CTES-784-8	-	12
8	ST485 8-30P/S	4	-	CRT-HT45	-	CDI-ME1	CTIN-784-8	CTES-784-8	-	8
8	ST485 8-38P/S	6	10	CRT-HT45	-	CDI-ME2	CTIN-784-8	CTES-784-8	-	12
8	ST485 8-50P/S	10	-	CRT-HT45	-	CDI-ME2	CTIN-784-8	CTES-784-8	-	12
4	ST485 4P/S	22	4	CRT-HT45	-	CDI-ME5	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-26P/S	3	-	**	-	**	**	**	-	**
4	ST485 4-30P/S	4	-	**	-	**	**	**	-	**
4	ST485 4-38P/S	6	10	CRT-HT45	-	CDI-ME2	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-50P/S	10	-	CRT-HT45	-	CDI-ME2	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-58P/S	-	6	CRT-HT45	-	CDI-ME3	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-62P/S	16	-	CRT-HT45	-	CDI-ME5	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-78P/S	25	-	CRT-HT45	-	CDI-ME5	CTIN-784-4	CTES-784-4	-	12
4	ST485 4-90P/S	35	2	CRT-HT45	-	**	**	CTES-784-4	-	14
0	ST485 0P/S	53	0	CRT-HT45	-	CDI-ME14	CTIN-784-0	CTES-784-0	-	14
0	ST485 0-45P/S	-	8	CRT-HT45	-	CDI-ME2	CTIN-784-0	CTES-784-0	-	12
0	ST485 0-50P/S	10	-	CRT-HT45	**	CDI-ME2	**	CTES-784-0	**	12
0	ST485 0-58P/S	-	6	**	**	**	**	**	**	14
0	ST485 0-62P/S	16	-	CRT-HT45	**	CDI-ME5	**	**	**	12
0	ST485 0-78P/S	25	-	CRT-HT45	-	CDI-ME5	CTIN-784-0	CTES-784-0	-	14
0	ST485 0-80P/S	-	3	**	**	**	**	**	-	14
0	ST485 0-90P/S	35	2	CRT-HT45	-	CDI-ME14	CTIN-784-0	CTES-784-0	-	14
0	ST485 0-107P/S	50	-	CRT-HT45	-	CDI-ME14	CTIN-784-0	CTES-784-0	-	14.3
0	ST485 0-135P/S	67.4	2/0	**	**	CDI-VS61186	**	**	-	18
4/0	ST485 4/0-115P/S	53	0	CRT-HT45	-	CDI-ME14	**	CTES-784-4/0	-	**
4/0	ST485 4/0-135P/S	67.4	2/0	**	-	CDI-VS61186	**	CTES-784-4/0	-	**
4/0	ST485 4/0-144P/S	70	-	CRT-HT120	-	CDI-ME24C	**	CTES-784-4/0	-	**
4/0	ST485 4/0-155P/S	95	-	CRT-HT120	-	CDI-ME24C	**	CTES-784-4/0	-	**
4/0	ST485 4/0P/S	107÷120	4/0	CRT-HT120	-	CDI-ME29C	**	CTES-784-4/0	-	**

*** On request (please consult our Sales Office)***

Contact ST With Louver Crimp Tools

CVS-CVB-CVBS-CVBSG-CVBR-GVJ (For Rubber Insert)

Contact size	Short Description	mm² section	AWG section	Manual crimp tool	Pneumatic crimp tool	Locator /Die	Insertion tool	Removal tool	Guide pin	Stripping length mm
8L	ST485 8L-17P/S	1.5	16	**	**	**	**	**	**	**
8L	ST485 8L-23P/S	2.5	-	**	**	**	**	**	**	**
8L	ST485 8L-35P/S	6	10	**	**	**	**	**	**	**
8L	ST485 8L-46P/S	10	-	**	**	**	**	**	**	**
0L	ST485 0L-62P/S	16	-	**	**	**	**	**	**	**
0L	ST485 0L-76P/S	25	-	**	**	**	**	**	**	**
0L	ST485 0L-89P/S	35	-	**	**	**	**	**	**	**
0L	ST485 0L-105P/S	50	-	CRT-HT45	-	CDI-ME14	CTIN-784-0	CTES-784-0	-	14.3
4/0L	ST485 4/0L-115P/S	53	0	CRT-HT45	-	CDI-ME14	**	CTES-784-4/0	-	**
4/0L	ST485 4/0L-135P/S**	67.4	2/0	**	-	-	**	CTES-784-4/0	-	**
4/0L	ST485 4/0L-144P/S	70	-	CRT-HT120	-	CDI-ME24C	**	CTES-784-4/0	-	**
4/0L	ST485 4/0L-155P/S	95	-	CRT-HT120	-	CDI-ME24C	**	CTES-784-4/0	-	**
4/0L	ST485 4/0LP/S	107÷120	4/0	CRT-HT120	-	CDI-ME29C	**	CTES-784-4/0	-	**

*** On request (please consult our Sales Office)*

Removal tool KTES-784

Contact KT Crimp tools

GVJ (For Thermoplastic Insert)

Contact size	Short Description	mm² section	AWG section	Manual crimp tool	Pneumatic crimp tool	Locator /Die	Removal tool	Tool To Close Retention Spring	Stripping length mm
16	KT485 16-12P/S	0.5÷0.75	-	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-16	-	9.5
16	KT485 16-20P/S	1÷2	18÷14	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-16	-	9.5
16	KT485 16-26P/S	2.5÷3	-	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-16	-	9.5
12	KT485 12-12P/S	0.6	20	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-12	RS-784-12	9.5
12	KT485 12-20P/S	1÷2	18÷14	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-12	RS-784-12	9.5
12	KT485 12-26P/S**	2.5÷3	-	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-12	RS-784-12	9.5
12	KT485 12-30P/S	4	-	CRT-784/1	PCT-784	LOC-KVBS-784	KTES-784-12	RS-784-12	9.5
12	KT485 12-38P/S	6	-	CRT-784/1	PCT-784A	LOC-KVBS-784	KTES-784-12	RS-784-12	9.5
8	KT485 8-15P/S	1	-	CRT-HT45	-	**	KTES-784-8	-	12
8	KT485 8-22P/S	2.5	-	CRT-HT45	-	CDI-VS61137	**	-	13.5
8	KT485 8-30P/S**	4	-	CRT-HT45	-	**	KTES-784-8	-	13.5
8	KT485 8-38P/S	6	-	CRT-HT45	-	CDI-VS61138	KTES-784-8	-	13.5
8	KT485 8-50P/S**	10	-	CRT-HT45	-	-	**	-	13.5

Contact KT With Louver Crimp tools

GVJ (For Thermoplastic Insert)

Contact size	Short Description	mm² section	AWG section	Manual crimp tool	Pneumatic crimp tool	Locator /Die	Removal tool	Tool To Close Retention Spring	Stripping length mm
4/0L	KT485 4/0L-115S	53	0	CRT-HT45	-	CDI-ME14	CTES-784-4/0		**
4/0L	KT485 4/0L-144S	70	-	CRT-HT120	-	CDI-ME24C	CTES-784-4/0		**
4/0L	KT485 4/0L-155S	95	-	CRT-HT120	-	CDI-ME24C	CTES-784-4/0		**
4/0L	KT485 4/0L-S	107÷120	4/0	CRT-HT120	-	CDI-ME29C	CTES-784-4/0		**

*** On request (please consult our Sales Office)*

Tools

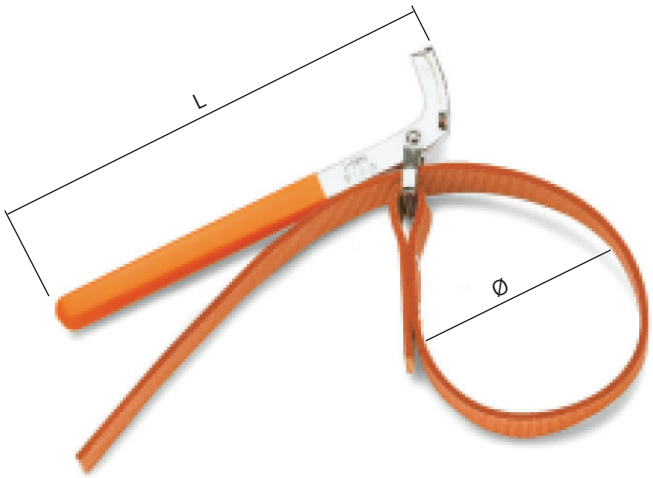
Connector Assembly

Pipe Wrench

- With exchangeable plastic jaws scratchproof (for treated surfaces)
- For connectors and couplings with screw
- Ideal for tightening and loosening backshell screw connections, plastic pipe fittings and round union nuts connection
- For gentle loosening of backshell
- 25 adjustment positions, box-joint design
- Ergonomic handle geometry
- Pliers chrome plated, handles with non-slip plastic coating

Part Number	Short Description	Tool	L mm	Weight g	Working Capacity Ø	Adjustment positions	Material	Handle Type
VS610074	SW-KN1075	Pipe Wrench	250	355	10 - 75 Ø mm	25	Chrome Vanadium Electric Steel	Plastic

Strap Wrenches



Part Number	Short Description	Tool	L mm	Ø max mm	Weight g
VS610073	SW-BT1490-1	Strap Wrenches	225	160	290

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Safety

Information regarding the use of the product within recommended safety limits

To use the connectors described in this catalogue according to the necessary safety requirements we suggest you apply the following criteria:

• use the connectors and connected cables within their electrical and environmental limits

• follow the characteristics of each version (shell, class and type of strain relief) and carefully choose the appropriate connector for the required use

• make sure to respect the procedures regarding the correct assembly of connectors and the crimping of contacts

• any connector damaged during shipment, storage, assembly or use should be replaced

• never uncouple the connectors when under power

• always protect the parts against shock when the circuit is under power

• always check the circuit before putting it under power

• consult Radiall Italia Srl if in doubt

• the user must take final responsibility for electrical safety Radiall Italia Srl reserves the right to amend the specifications of this catalogue without issuing prior notice.

For the instructions concerning assembly and crimping of contacts please consult the appropriate tools manuals.

We recommend to respect the following general rules:

• to be used always the tools recommended by Radiall Italia Srl's catalogue or manuals

• to be applied the suggested norms for tool maintenance and calibration

DO NOT USE ALTERNATIVE GREASES OR OILS which could damage the insert and affect the functionality of the connector.
Radiall Italia Srl reserves the right to amend the specifications of this catalogue without issuing prior notice.

The data defined in this document are given as an indication. In the effort to improve our products, we reserve the right to make any change judged necessary.

www.radiall.com

FRANCE
RADIALL S.A.
Tel +33149353535
info@radiall.com

www.vansystem.eu

ITALY
Radiall Italia S.r.l.
Tel. +39023569931
infoit@radiall.com

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