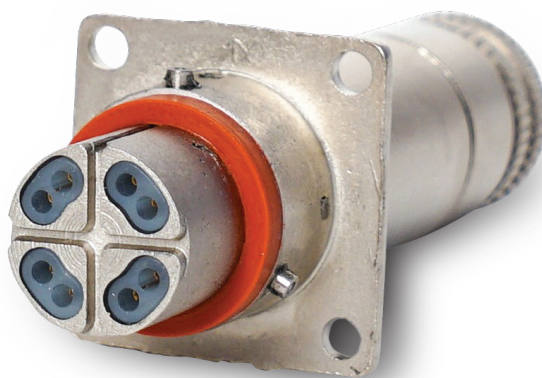




EVBS

MODULAR BAYONET CONNECTORS

Data Connectors and Signals



About Us



Since 1952, Radiall Sa have been enabling the future through collaboration with our customers. The results are a range of innovative and award-winning products that customers trust for unrivaled repeatability and performance.

Radiall Sa are a global company with facilities around the world that specializes in manufacturing the highest quality interconnect components to support the most demanding applications.

At Radiall, you can rely on us to be the industry's global market leader.



VanSystem is a company founded in Lombardy - Italy, which has been operating since 1985 in the industrial market. Since 2015 VanSystem is a Radiall company.

Besides connectors with screw or bayonet coupling complying with the Mil-DTL-5015 standard, VanSystem designs and manufactures non-standard products for special applications. One of VanSystem's strong points is an agile and dynamic organizational structure which enables direct and constant interaction with customers in order to meet all their requirements and build solid, long-term partnerships. The VanSystem team's professionalism, skill and commitment are at your service to help you achieve the solution you are looking for.

VanSystem's Quality System is qualified according to ISO 9001:2015 and ISO/TS 22163:2017 IRIS Certification™ rules:2017 (International Railway Industry Standard).



EVBS - Modular Bayonet Connector

Data Connectors and Signals

EVBS-C7

Bayonet Category 7 Connector

Ethernet Cat 6A - Ethernet Cat 7 - Ethernet Cat 7A

The definitive alternative for Ethernet static interconnections inside railways vehicles

- Passenger control
- Networking and lighting control
- Diagnostic support for brakes, motors and doors
- Passenger display and Internet connection



EVBS Series

Modular Bayonet Connector

EVBS is a new reliable solution for data transmission through LAN 5E or 6 cat. cables in railways applications.

- Reduced overall dimensions
- Bayonet coupling
- IP67 water resistance (mated connectors)
- Vibration and shock resistant
- Easy connection to the most common updated conduit systems
- Arranged for any shielding requirement
- Materials and finishes comply the updated requirements for railways applications
- Tested according to standard requirements
- Insert arrangements available for 2 or 4 twisted pairs with or w/out shielding



EVBS-C7 - Bayonet Category 7 Connector

Ethernet Cat 6A - Ethernet Cat 7 - Ethernet Cat 7A



- Directly derived from Cat 7 module used on GM series
- Audible, visible and tactile mating.
- One quarter turn lock for coupling
- Vibration and shock resistant: according to EN 61373 category 1, class B, body mounted.
- Fire behaviour: according to EN 45545-2
- Positive fitting to the dimensions requested by the most updated cables for static applications
- Match CAT 7A requirements.
- Tested according to Trenitalia 376575.
- Over-moulded contacts pairs at controlled impedance.
- Each pair is fully shielded from the adjacent to reduce the crosstalk.
- 2x4 contact termination - AWG 26 / AWG 24 / AWG 23
- Reduced components quantity makes easier and more reliable assembly.
- The square receptacle makes possible the reliable fixing on panels and racks.

Materials and finishes:

Shell	Aluminum alloy – Electro-less nickel plated
Contacts	Copper alloy – Gold plating over Nickel
Insulator	Controlled impedance thermoplastic resin

Crimping Tools



Modules type	Wire Identifier tool	Contacts crimping tool	Wire stripping tool
C7 *	VS610063	VS610057	VS610058

* For a faster wire identification & easier assembly we suggest to add VS61171 to the C7 standard tool kit

Part Number	Short Description	Tool
VS610069	CRT-SH30L	Manual Crimp Tool for Shielding
VS610070	CDI-30K06	Crimp Die for Shielding Sleeve Ø 6mm
VS610071	CDI-30K09	Crimp Die for Shielding Sleeve Ø 9mm

EVBS-C7 - Bayonet Category 7 Connector

Part number explanation

EVBS	Series Code	EVBS	EVBS series
C7	Type	C7	Up to Category 7A
6	Shell Type	1	Receptacle connectors - Socket insert
		6	Plug connectors - Pin insert
EII	Backshell Class	GV	Adapter with shielding nut and cone for wire diameter 9,3mm (Ø7,5 mm or Ø 10 mm on request) (Cat. 7)
		EII	Double spring adapter (strain relief & shielding) for cable Ø 7 ÷ Ø 10,1 mm (Cat. 7A)
A09	Cable diameter	A05	XE Module for cables up to Ø 5mm
		A06	XE Module for cables up to Ø 6mm
		A09	XE Module for cables up to Ø 9mm
		A07	GV Module for cables up to Ø 7.5mm (on request)
		A10	GV Module for cables up to Ø 10mm (on request)
N03	Contact type	N03	Contacts for AWG 24 - AWG 23



EVBS-C7 - Bayonet Category 7 Connector

Ethernet Cat 6A - Ethernet Cat 7 - Ethernet Cat 7A

- Match CAT 7A requirements.
- Tested according to Trenitalia 376575.
- Over-moulded contacts pairs at controlled impedance.
- Each pair is fully shielded from the adjacent to reduce the crosstalk.
- 2x4 contact termination - AWG 26 / AWG 24 / AWG 23
- Reduced components quantity makes easier and more reliable assembly.



Plug connectors

Part Number	Short Description	N° Poles	Ethernet	Contact Gender	Wire Section mm ²	AWG	Contact Type (size)	Contact plated
VS170519	EVBS-C7 6EII N03	2x4	Cat. 6A - Cat. 7 - Cat. 7A	Pin	0.25	26 - 24 - 23	crimp	gold
On request	EVBS-C7 6GV N03	2x4	Cat. 6A - Cat. 7	Pin	0.25	26 - 24 - 23	crimp	gold

Receptacle connectors

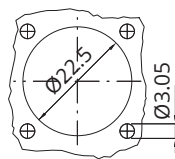
Part Number	Short Description	N° Poles	Ethernet	Contact Gender	Wire Section mm ²	AWG	Contact Type (size)	Contact plated
VS170520	EVBS-C7 1EII N03	2x4	Cat. 6A - Cat. 7 - Cat. 7A	Socket	0.25	26 - 24 - 23	crimp	gold
On request	EVBS-C7 1GV N03	2x4	Cat. 6A - Cat. 7	Socket	0.25	26 - 24 - 23	crimp	gold

Terminations for other section can be supplied on request

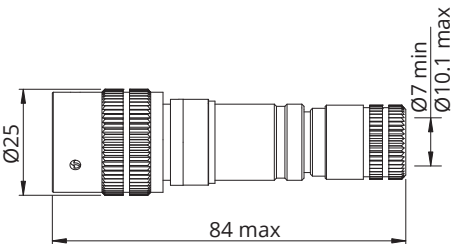
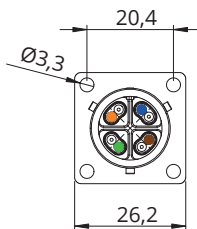
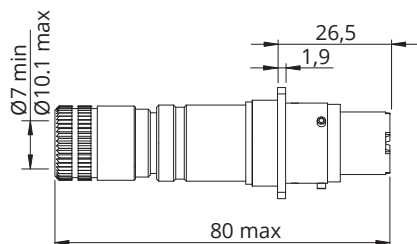
- Cable TECNİKABEL 522E0048 ETHERNET CABLE 4 PAIRS 23AWG CAT7A (For jumper railway application tested up to 10meters)
- Cable BELDEN BE43801 CAT7 ETHERNET RAILCABLE 4 PR AWG24/16 S/FTP
- Cable HUBER+SUHNER RADOX RAILCAT CAT7 100 OHM 4X (2X2X24AWG) XM S
- Cable Nexans Filotex® 2PM577 FLAMEX - HALOGEN FREE 4x(2x0.25 mm²) ETHERNET CAT6A - tested up to 10meters
- Cable Nexans Filotex® 2PM615 FLAMEX - HALOGEN FREE ETHERNET CATEGORY 7 4x(2x0.25 mm²) - tested up to 10meters
- Cable Nexans Filotex® 2PM617 FLAMEX - HALOGEN FREE ETHERNET CATEGORY 7A 4x(2x0.25 mm²) - tested up to 10meters

EVBS-C7 - Bayonet Category 7 Connector

Ethernet Cat 6A - Ethernet Cat 7 - Ethernet Cat 7A

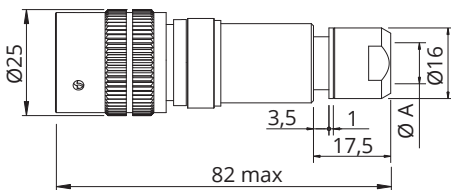
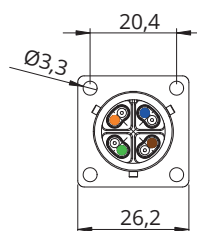
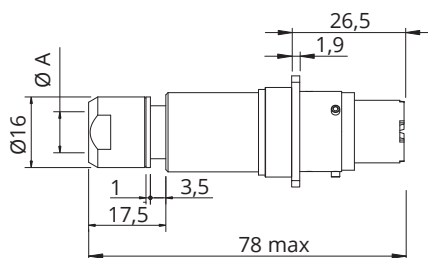


Panel Cut Out



EII

Double spring adapter (strain relief & shielding) for cable Ø 7 ÷ Ø 10,1 mm



		Ø A
GV	GV Module for cables up to Ø 9,3mm	9,3
GV A07	GV Module for cables up to Ø 7,5mm	7,5
GV A10	GV Module for cables up to Ø10mm	10

Dimensions in mm

Spare Parts



Contacts pair Cat. 7A - C7 module

Part Number	Short Description	Gender
VS366241	GMM CP-S- C7	Socket
VS366242	GMM CP-P-C7	Pin

EVBS SERIES - Modular Bayonet Connector

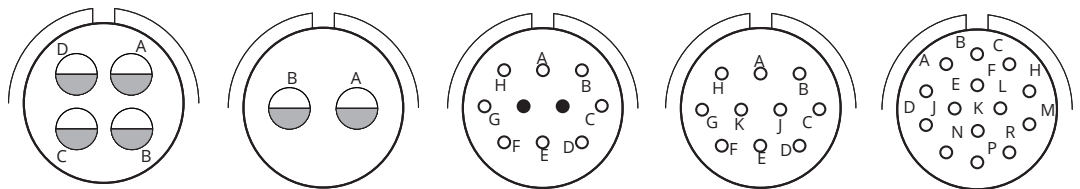
Data Connectors and Signals



Series characteristics:

- gold plated crimp contacts
- shield continuity
- rubber coated coupling nut
- conductive plating

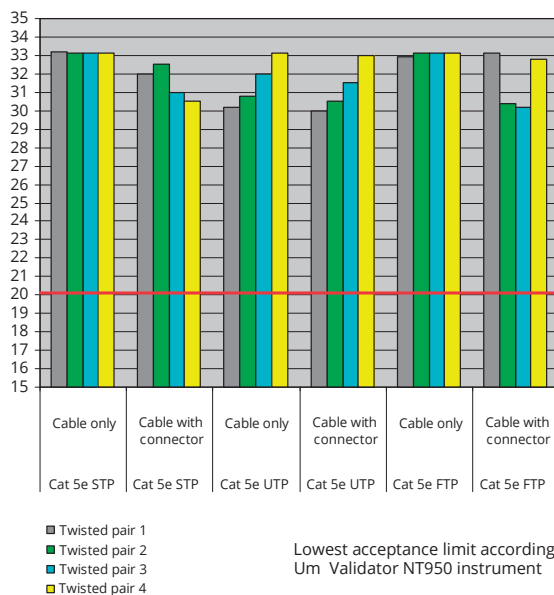
Insulating Inserts



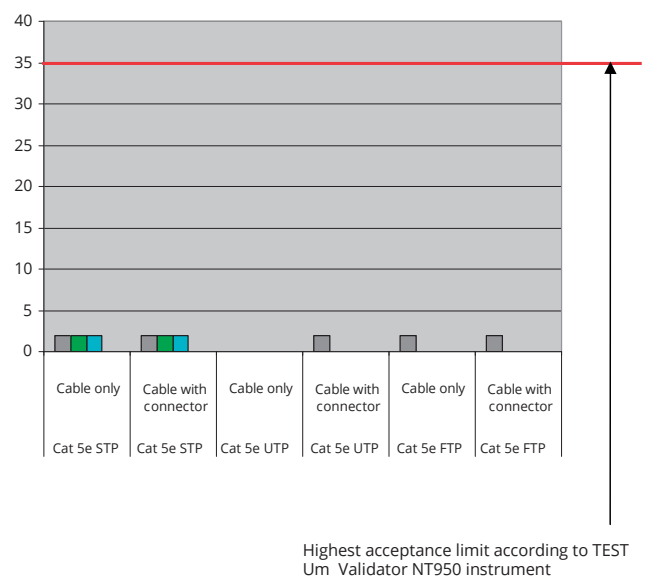
Insert Arrangement	14S-9	14S-2	14SZ8	14SZ10	14SZ14
N° of Contacts	2	4	8	10	14
Contact Size	16S	16S	20	20	20
Data/Signal	WTB	Cat. 5/MVB/RS485	Cat. 6/ Cat. 5E	7.5A/200V	7.5A/200V

Below data concern an unshielded 8 poles connector:

SNR



SKEW



BERT

0 mistakes - with any cable

EVBS SERIES - Modular Bayonet Connector

Part number explanation

RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	1	In-line receptacle able to accept rear accessories.
		2	Front mounting receptacle connector able to accept rear accessories
		3	Rear mounting receptacle connector with thread to accept backshells
		38 *	Rear mounting receptacle connector with thread to accept backshells, with 90° elbow
		70 *	Rear mounting Jam Nut receptacle connector with thread to accept backshells. Mounting is made by a hexagonal fixing-nut
		78 *	Rear mounting Jam Nut receptacle connector with thread to accept back shells with 90° elbow. Mounting is made by a hexagonal fixing-nut
		6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
		8	Plug connector provided with grounding finger, with 90° elbow, coupling nut rubber covered
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
P1	Connector Class **	P1	Cable Overall diameter 4-8mm
		P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
		S1	Cable Overall diameter 8.5-13mm These classes of connectors are all suitable for heat shrink tubing applications.
		C1	Adapter for crimping sleeve and heat shrink tube 9mm
		C2	Adapter for crimping sleeve and heat shrink tube 5mm
		DAMxx	Provided with an internal Metric thread
		FSxxxx	Provided with a special adapter for UNI4883 rubber conduits
		AMKxx	Provided 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. Provided with an internal Metric thread
F5	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)
G	Panel Gasket	-	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket

* On Request

** Mandatory for 38 78 6 8 types

P/N Sample: RF EVBS 303 6 14S-9P DAM F5

EVBS SERIES - Modular Bayonet Connector

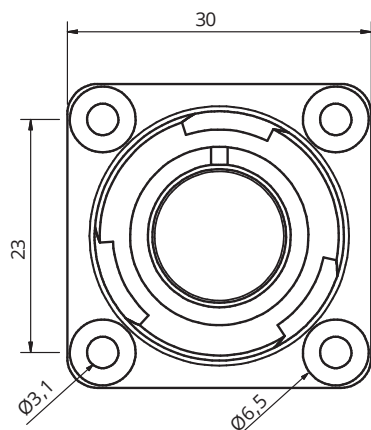
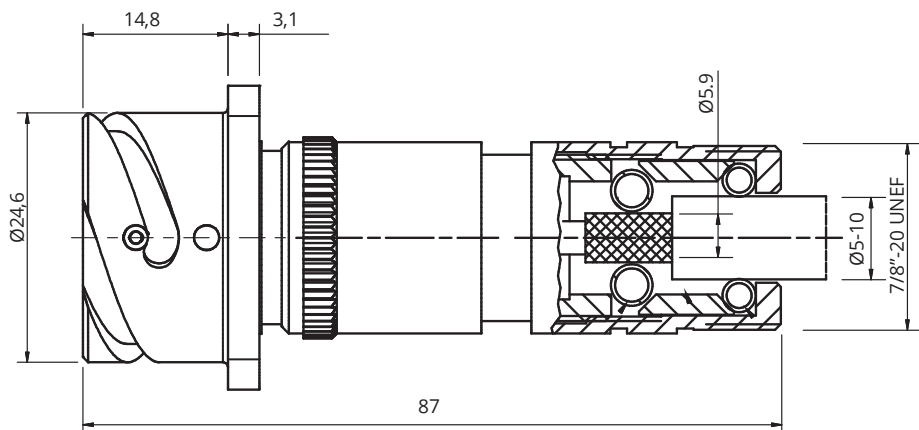
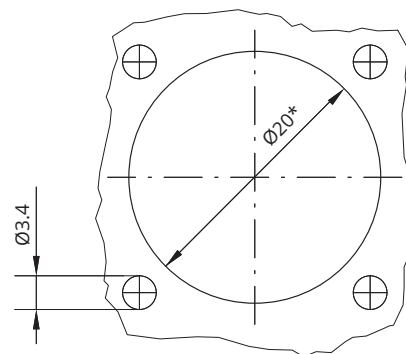
Front mounting receptacle connector (2) with Backshell Class (P1-P2-P3)

To be used with connector provided with grounding finger to guarantee shielding; The iris spring is used to connect multicore jacketed cables or jacketed hoses. Supplied with countersunk holes.



Panel cut out

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



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 2 14S-9P P2 F16	2	Pin	WTB	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 2 14S-2P P2 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
VS170501	RF EVBS 2 14SZ8P P2 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 2 14SZ10P P2 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 2 14SZ14P P2 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 2 14S-9S P2 F16	2	Socket	WTB	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 2 14S-2S P2 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 2 14SZ8S P2 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 2 14SZ10S P2 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 2 14SZ14S P2 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

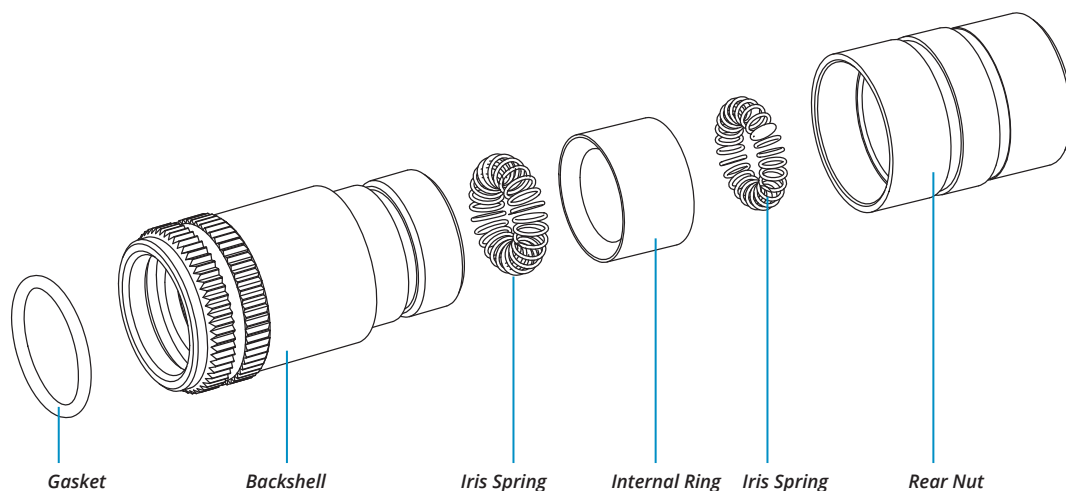
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Front mounting receptacle connector (2) with Backshell Class (P1-P2-P3)

RF	EVBS	303	2	14S-9	S	Px	F16	G
	Series Code		Shell Type			Connector Class		



RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
2	Shell Type	2	Front mounting receptacle connector able to accept rear accessories
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
Px	Connector Class **	P1	Cable Overall diameter 4-8mm
		P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
F16	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)
G	Panel Gasket	-	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket

P/N Sample: RF EVBS 2 14S-9P P2 F16

EVBS SERIES - Modular Bayonet Connector

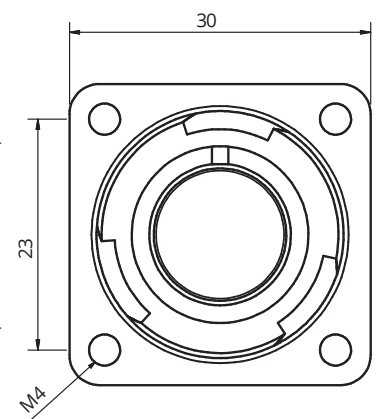
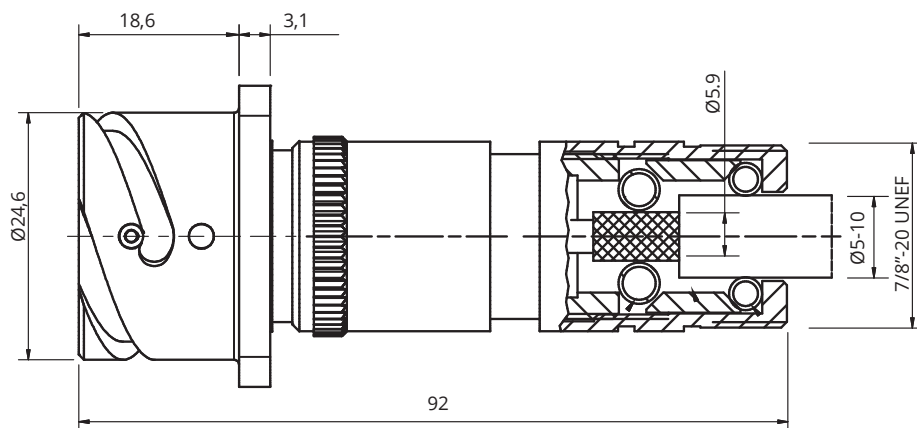
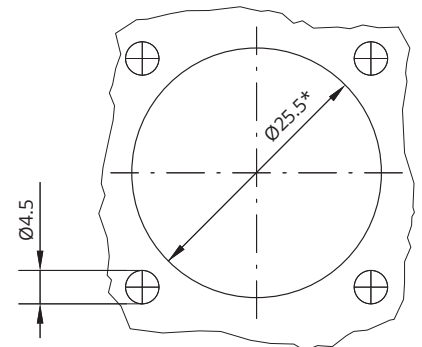
Rear mounting receptacle connector (3) with Backshell Class (P1-P2-P3)

To be used with connector provided with grounding finger to guarantee shielding; The iris spring is used to connect multicore jacketed cables or jacketed hoses. Supplied with threaded holes.



Panel cut out

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



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 3 14S-9P P2 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14S-2P P2 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14SZ8P P2 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ10P P2 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ14P P2 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14S-9S P2 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14S-2S P2 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
VS170531	RF EVBS 3 14SZ8S P2 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ10S P2 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ14S P2 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

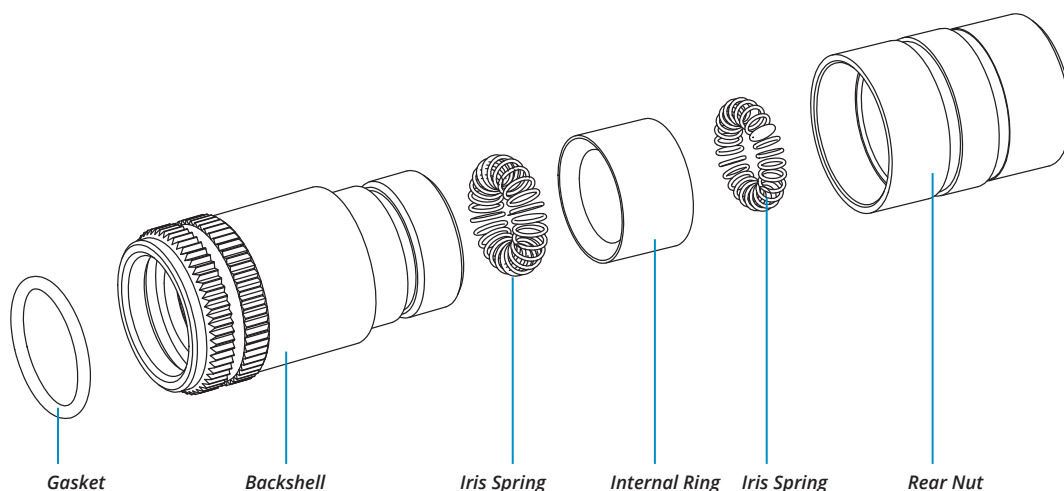
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Rear mounting receptacle connector (3) with Backshell Class (P1-P2-P3)

RF	EVBS	303	3	14S-9	S	Px	F16	G
	Series Code		Shell Type			Connector Class		



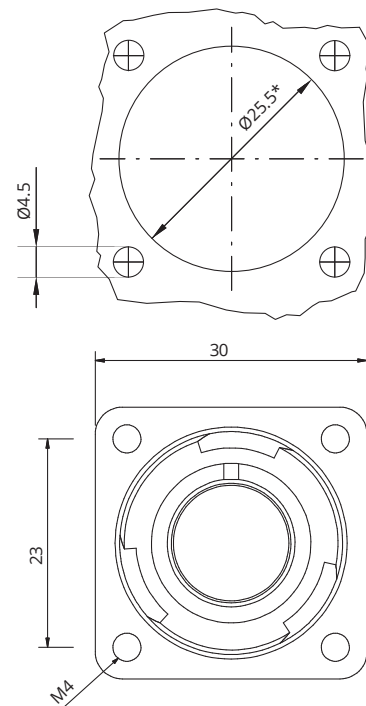
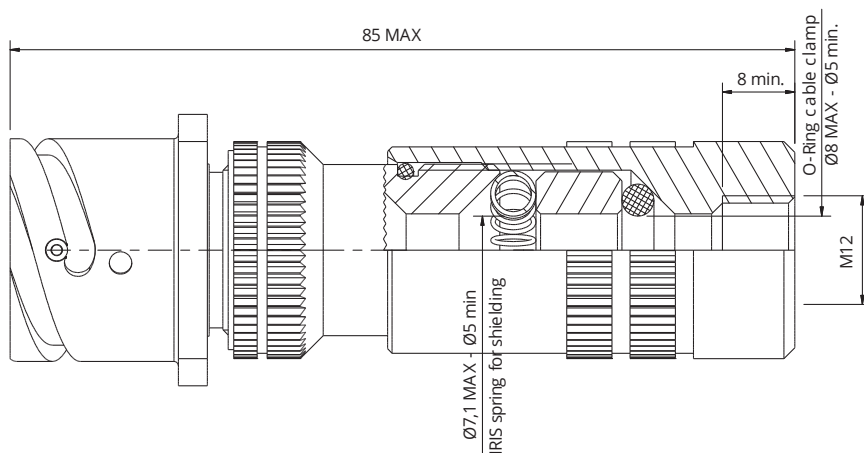
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
3	Shell Type	3	Rear mounting receptacle connector with thread to accept backshells. Supplied with threaded holes.
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
Px	Connector Class **	P1	Cable Overall diameter 4-8mm
		P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
F16	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)
G	Panel Gasket	-	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket

P/N Sample: RF EVBS 3 14S-9P P2 F16

EVBS SERIES - Modular Bayonet Connector

Rear mounting receptacle connector (3) with Backshell Class (AMK)

To be used with connector provided with grounding finger to guarantee shielding; Provided 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. Provided with an internal Metric thread. Supplied with threaded holes.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 3 14S-9P AMK12 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14S-2P AMK12 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14SZ8P AMK12 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ10P AMK12 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ14P AMK12 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14S-9S AMK12 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14S-2S AMK12 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 3 14SZ8S AMK12 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ10S AMK12 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 3 14SZ14S AMK12 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Rear mounting receptacle connector (3) with Backshell Class (AMK)

RF

EVBS

303

3

14S-9

S

AMK12

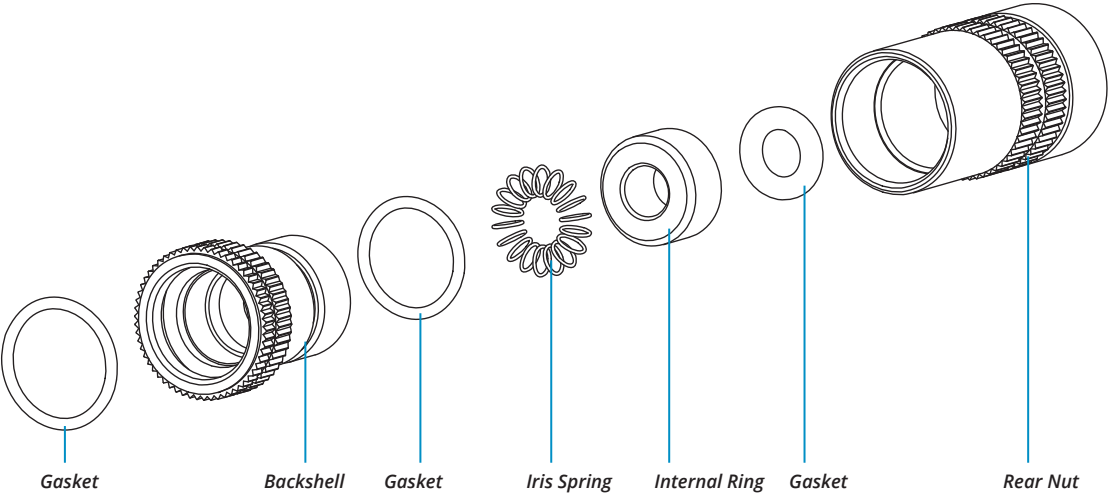
F16

G

Series Code

Shell Type

Connector Class



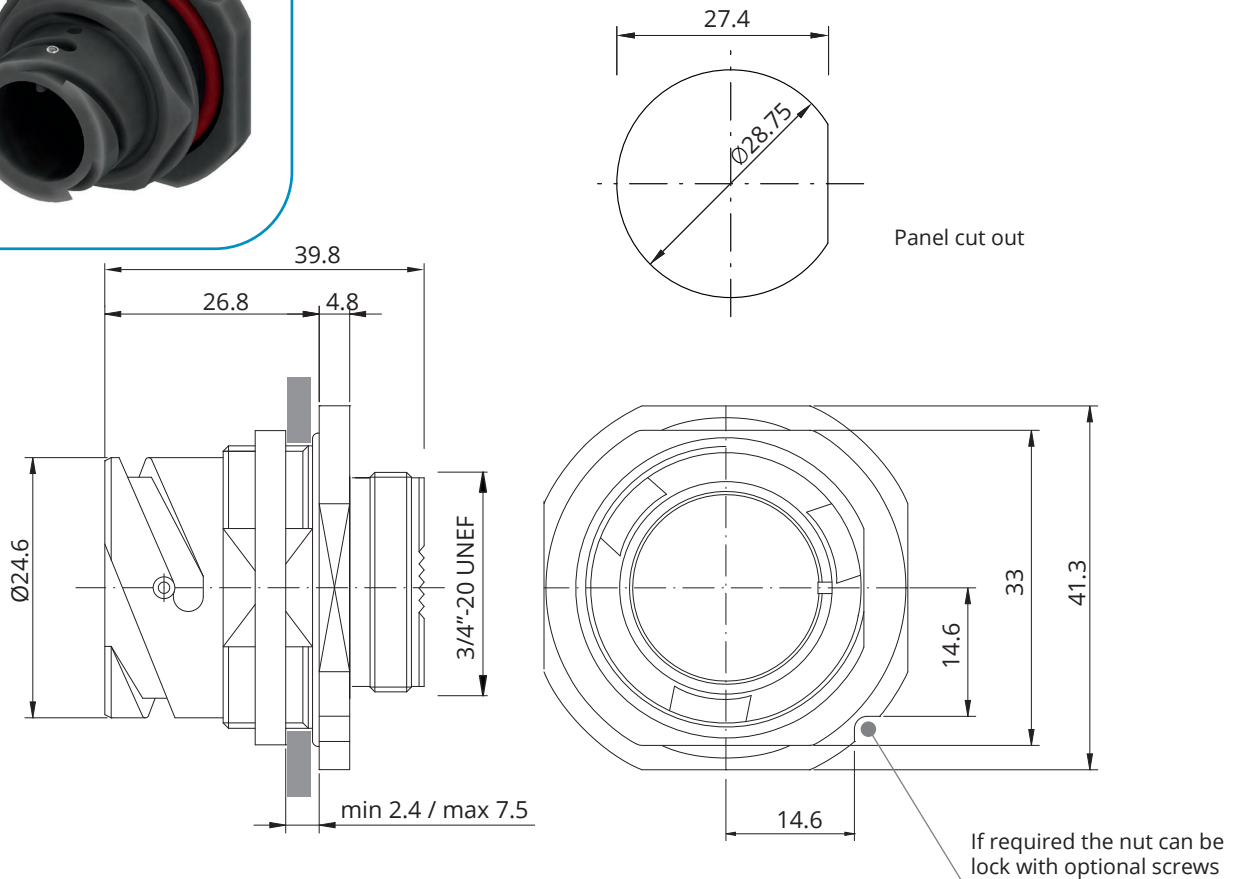
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
3	Shell Type	3	Rear mounting receptacle connector with thread to accept backshells. Supplied with threaded holes.
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
AMK12	Connector Class **	AMK12	Provided 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. Provided with a M12 internal Metric thread
F16	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)
G	Panel Gasket	-	Without gasket
		G	With waterproof panel gasket
		G2	With shielded panel gasket
		G3	With waterproof shielded panel gasket

P/N Sample: RF EVBS 3 14S-9P AMK F16

EVBS SERIES - Modular Bayonet Connector

Rear Mounting Receptacle (70) without Accessories (To be purchased separately)

Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 70 14S-9P F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 70 14S-2P F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 70 14SZ8P F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 70 14SZ10P F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 70 14SZ14P F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 70 14S-9S F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 70 14S-2S F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 70 14SZ8S F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 70 14SZ10S F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 70 14SZ14S F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Rear Mounting Receptacle (70) without Accessories (To be purchased separately)

RF	EVBS	303	70	14S-9	S	F16
	Series Code		Shell Type			

RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
70	Shell Type	70 *	Rear mounting Jam Nut receptacle connector with thread to accept backshells. Mounting is made by a hexagonal fixing-nut
		14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
14S-9	Insert Arrangement	14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
F5	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)

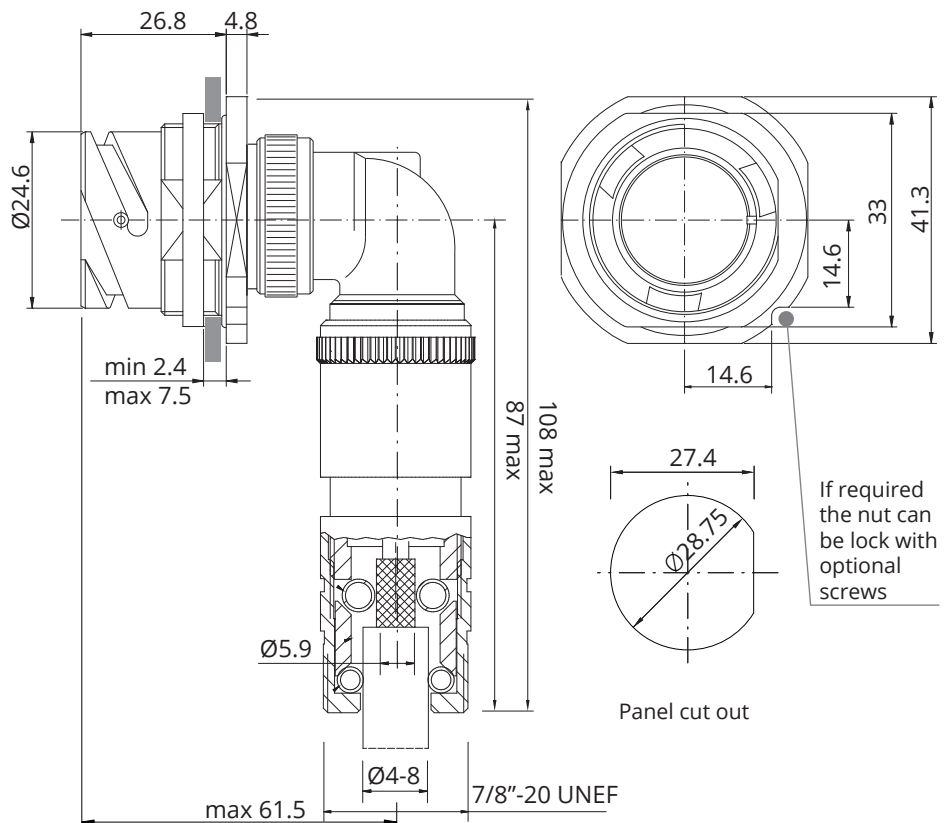
* On Request

P/N Sample: RF EVBS 303 70 14S-9P F16

EVBS SERIES - Modular Bayonet Connector

Rear Mounting Receptacle (78) with 90° Elbow Class (P1-P2-P3)

Mounting is made by a hexagonal coupling nut. It is supplied with sealing gasket to guarantee waterproof protection. The iris spring is used to connect multicore jacketed cables or jacketed hoses.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 78 14S-9P P1 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 78 14S-2P P1 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 78 14SZ8P P1 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 78 14SZ10P P1 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 78 14SZ14P P1 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 78 14S-9S P1 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 78 14S-2S P1 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 78 14SZ8S P1 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 78 14SZ10S P1 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 78 14SZ14S F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

Dimensions in mm

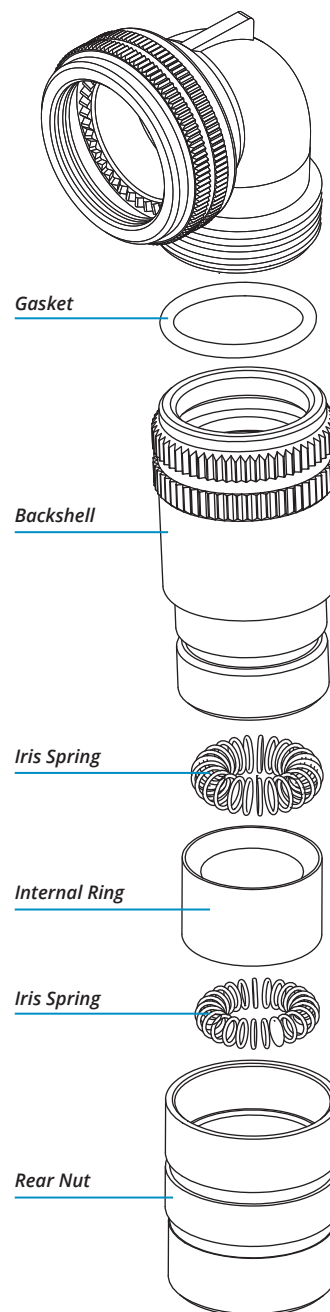
Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

EVBS SERIES - Modular Bayonet Connector

Rear Mounting Receptacle (78) with 90° Elbow Class (P1-P2-P3)

RF	EVBS	303	78	14S-9	S	Px	F16
	Series Code		Shell Type			Connector Class	

RF	Insulating material	RF	Fire resistant rubber (EN45545 R22-R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
78	Shell Type	78	Rear mounting Jam Nut receptacle connector with thread to accept back shells with 90° elbow.
		14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
14S-9	Insert Arrangement	14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
		P1	Cable Overall diameter 4-8mm
Px	Connector Class **	P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
		F5	Electroless nickel (RoHS compliance)
F16	Shell finishes	F16	CCF - Black passivation - conductive (RoHS compliance)

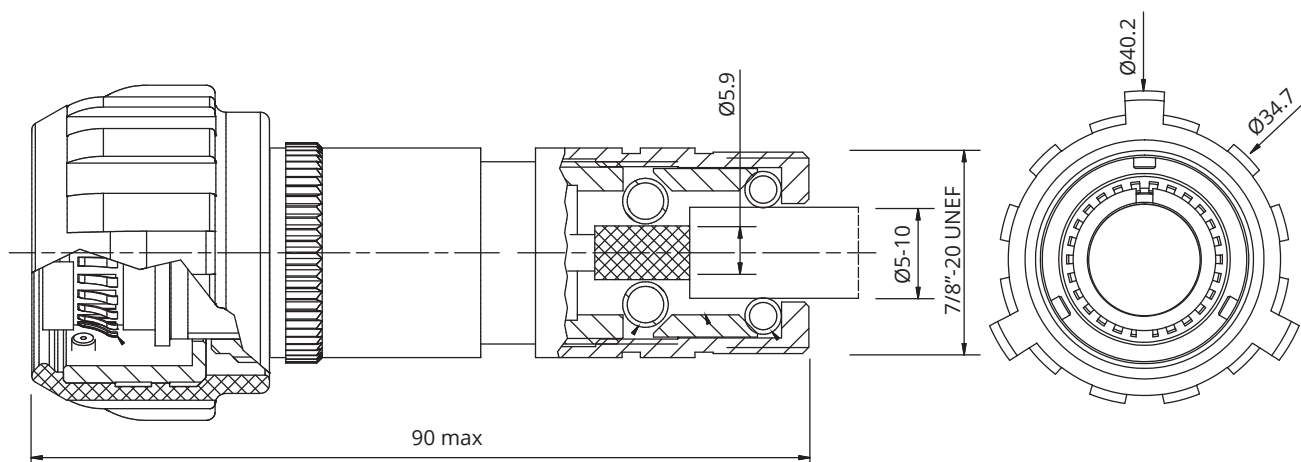


P/N Sample: RF EVBS 78 14S-9P P2 F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (P1-P2-P3)

Connector provided with grounding finger to guarantee shielding; The iris spring is used to connect multicore jacketed cables or jacketed hoses. Rubber covered coupling nut able to protect against dust and impact.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 6 14S-9P P2 F16	2	Pin	WTB	0,15±0,6	26÷20	crimp	Gold
170513	RF EVBS 6 14S-2P P2 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8P P2 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10P P2 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14P P2 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14S-9S P2 F16	2	Socket	WTB	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2S P2 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
170502	RF EVBS 6 14SZ8S P2 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10S P2 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14S P2 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

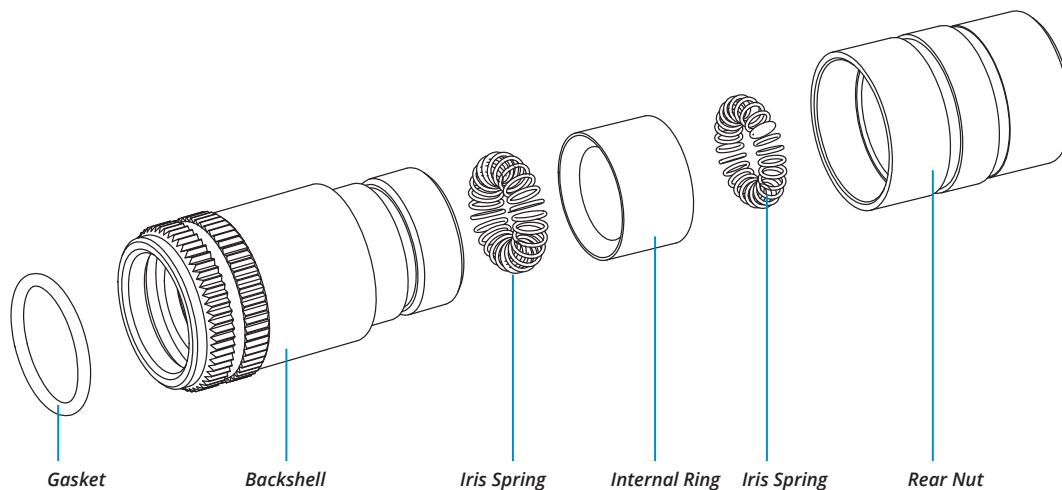
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (P1-P2-P3)

RF	EVBS	303	6	14S-9	S	Px	F16
	Series Code		Shell Type			Connector Class	



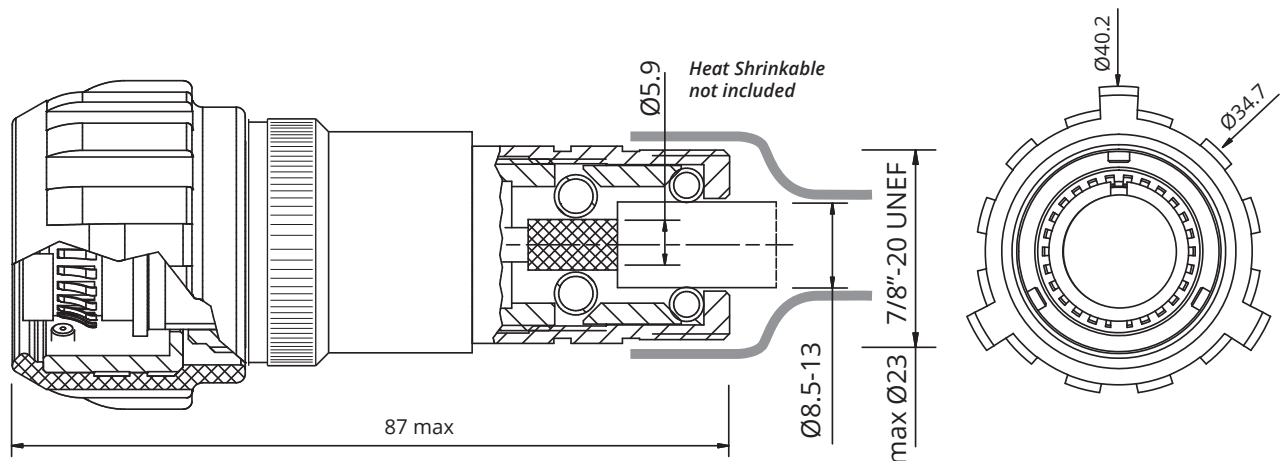
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
Px	Connector Class **	P1	Cable Overall diameter 4-8mm
		P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
F16	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)

P/N Sample: RF EVBS 6 14S-9P P2 F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (S1)

Connector provided with grounding finger to guarantee shielding;
These classes of connectors are all suitable for heat shrink tubing applications.
Rubber covered coupling nut able to protect against dust and impact.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 6 14S-9P S1 F16	2	Pin	WTB	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2P S1 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8P S1 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10P S1 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14P S1 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14S-9S S1 F16	2	Socket	WTB	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2S S1 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15±0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8S S1 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10S S1 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14S S1 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

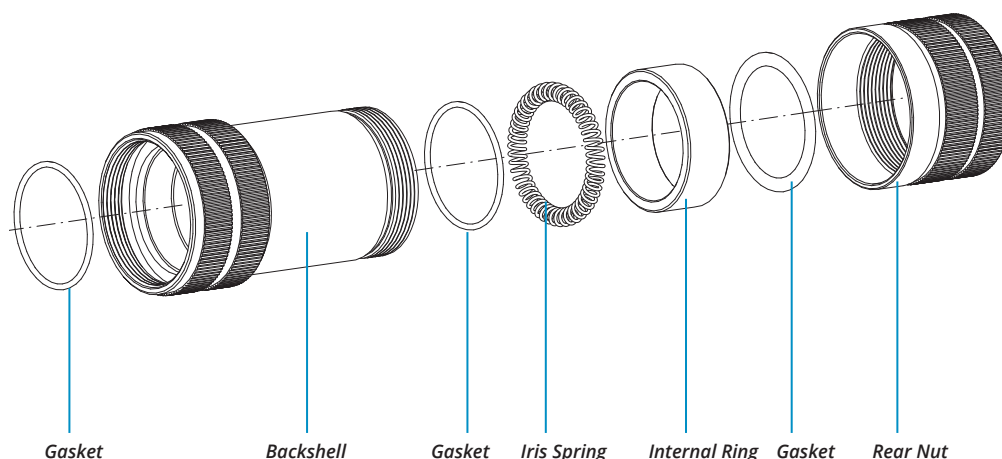
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (S1)

RF	EVBS	303	6	14S-9	S	S1	F16
	Series Code		Shell Type			Connector Class	



RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
		14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
14S-9	Insert Arrangement	14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
S1	Connector Class **	S1	Cable Overall diameter 8.5-13mm These classes of connectors are all suitable for heat shrink tubing applications.
		F5	Electroless nickel (RoHS compliance)
F16	Shell finishes	F16	CCF - Black passivation - conductive (RoHS compliance)

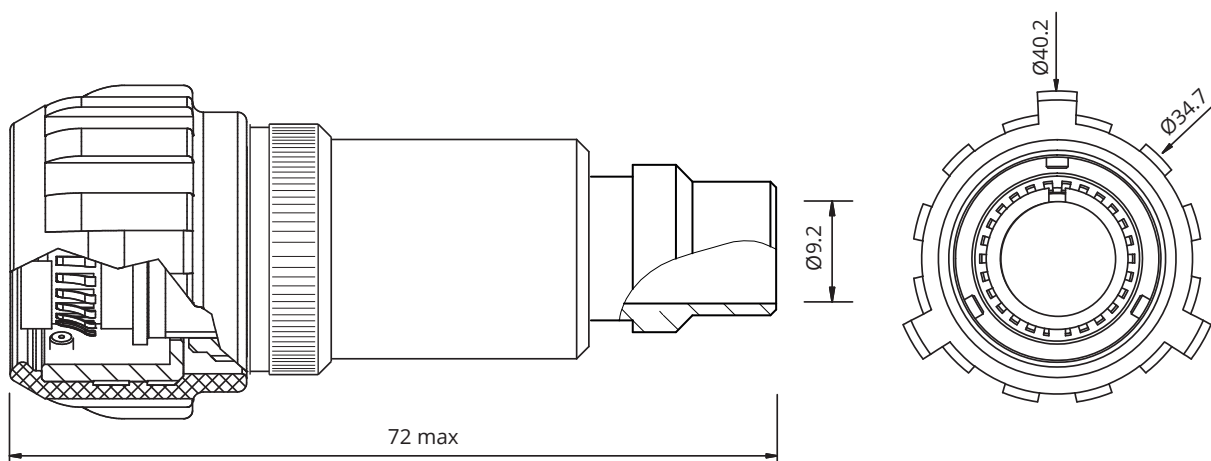
P/N Sample: RF EVBS 6 14S-9P S1F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (C1-C2)

Connector provided with grounding finger to guarantee shielding;

Adapter for crimping sleeve and heat shrink tube. Rubber covered coupling nut able to protect against dust and impact.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 6 14S-9P C1 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2P C1 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8P C1 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10P C1 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14P C1 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14S-9S C1 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2S C1 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8S C1 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10S C1 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14S C1 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

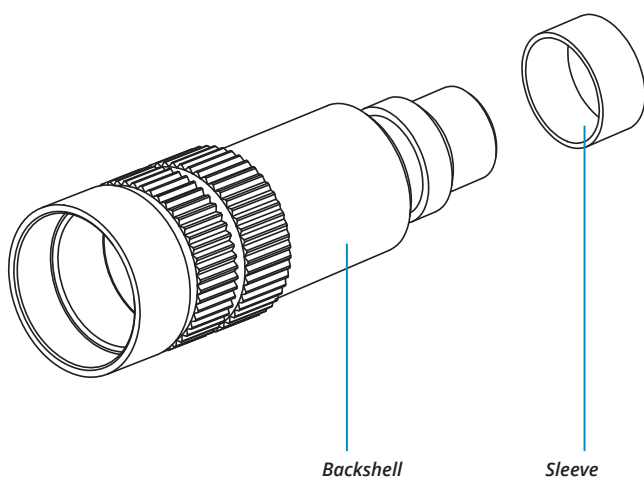
Plug connector with rubber covered coupling nut (6) with Backshell Class (C1-C2)

RF	EVBS	303	6	14S-9	S	C1	F16
	Series Code		Shell Type			Connector Class	

Description

Van-System P/N

Manual Crimp Tool for Shielding	CRT-SH30L
Crimp Die for Shielding Sleeve Ø 6mm	CDI-30K06
Crimp Die for Shielding Sleeve Ø 9mm	CDI-30K09



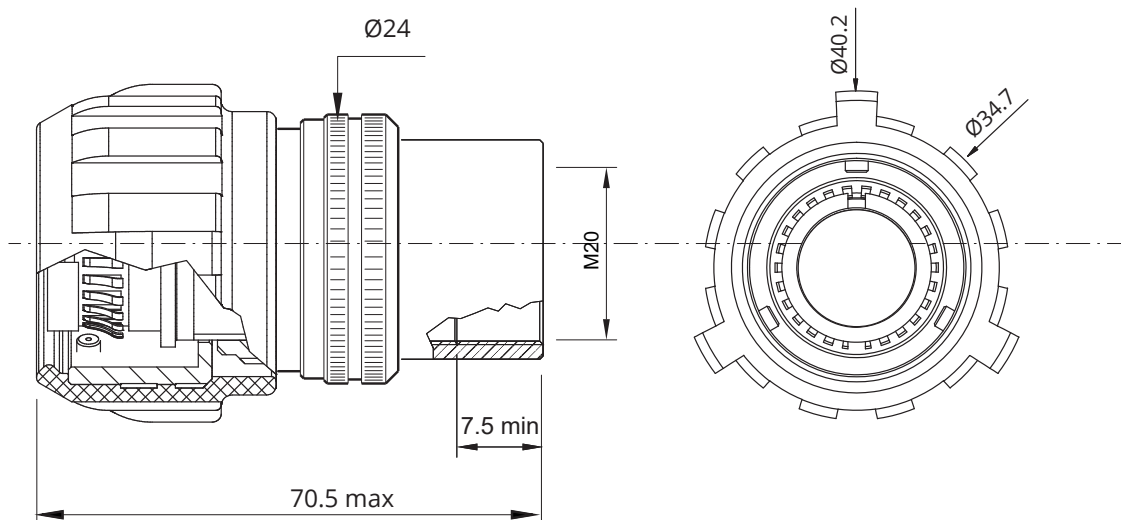
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
		14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
14S-9	Insert Arrangement	14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
C1	Connector Class **	C1	Adapter for crimping sleeve and heat shrink tube 9mm
		C2	Adapter for crimping sleeve and heat shrink tube 5mm
F16	Shell finishes	F5	Electroless nickel (RoHS compliance)
		F16	CCF - Black passivation - conductive (RoHS compliance)

P/N Sample: RF EVBS 6 14S-9P C1F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (DAM)

Connector provided with grounding finger to guarantee shielding;
 Connector with backshell provided with an internal Metric thread suitable for cable glands or conduit adapters.
 Rubber covered coupling nut able to protect against dust and impact.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 6 14S-9P DAM20 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2P DAM20 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8P DAM20 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10P DAM20 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14P DAM20 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14S-9S DAM20 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2S DAM20 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8S DAM20 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10S DAM20 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14S DAM20 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

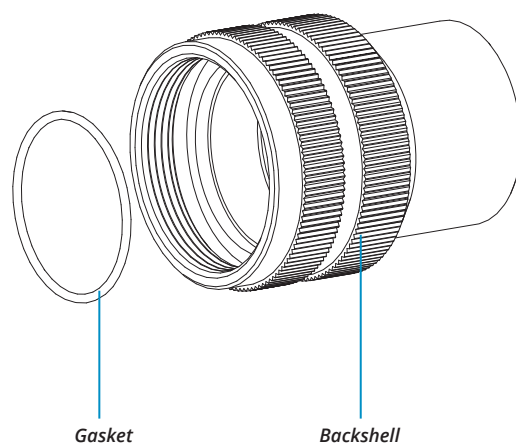
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (DAM)

RF	EVBS	303	6	14S-9	S	DAM20	F16
	Series Code		Shell Type			Connector Class	



RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
DAM20	Connector Class **	DAM20	Provided with a M20 internal Metric thread (M12 - M16 - M25 on request)
F16	Shell finishes	F5	Electroless nickel (<i>RoHS compliance</i>)
		F16	CCF - Black passivation - conductive (<i>RoHS compliance</i>)

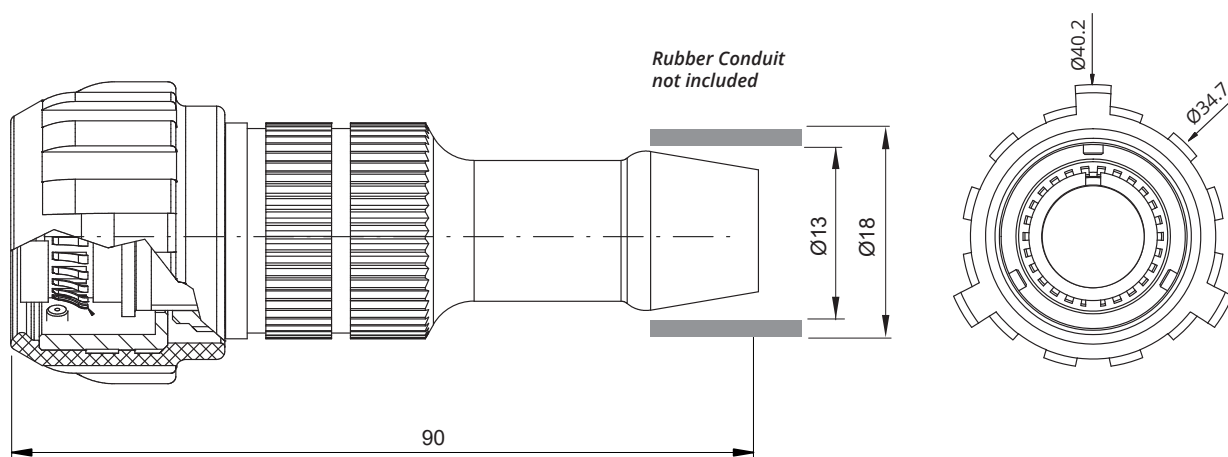
P/N Sample: RF EVBS 6 14S-9P DAM20 F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (FS)

Connector provided with grounding finger to guarantee shielding;

Connector with special adapter for rubber conduits. Conduit's size must be specified adding the diameter dimensions in the P/N (i.e.: EVBS 6 ... FS1318 ...). Rubber covered coupling nut able to protect against dust and impact.



Please consult our Sales Office for further details about this dimension and according to conduit size.

Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 6 14S-9P FS1318 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2P FS1318 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14SZ8P FS1318 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10P FS1318 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14P FS1318 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14S-9S FS1318 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 6 14S-2S FS1318 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
VS170504	RF EVBS 6 14SZ8S FS1318 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ10S FS1318 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 6 14SZ14S FS1318 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

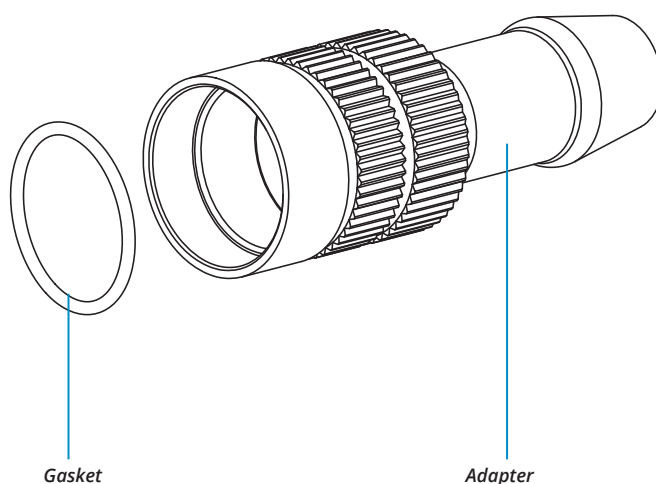
Dimensions in mm

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

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (6) with Backshell Class (FS)

RF	EVBS	303	6	14S-9	S	FS1318	F16
	Series Code		Shell Type			Connector Class	



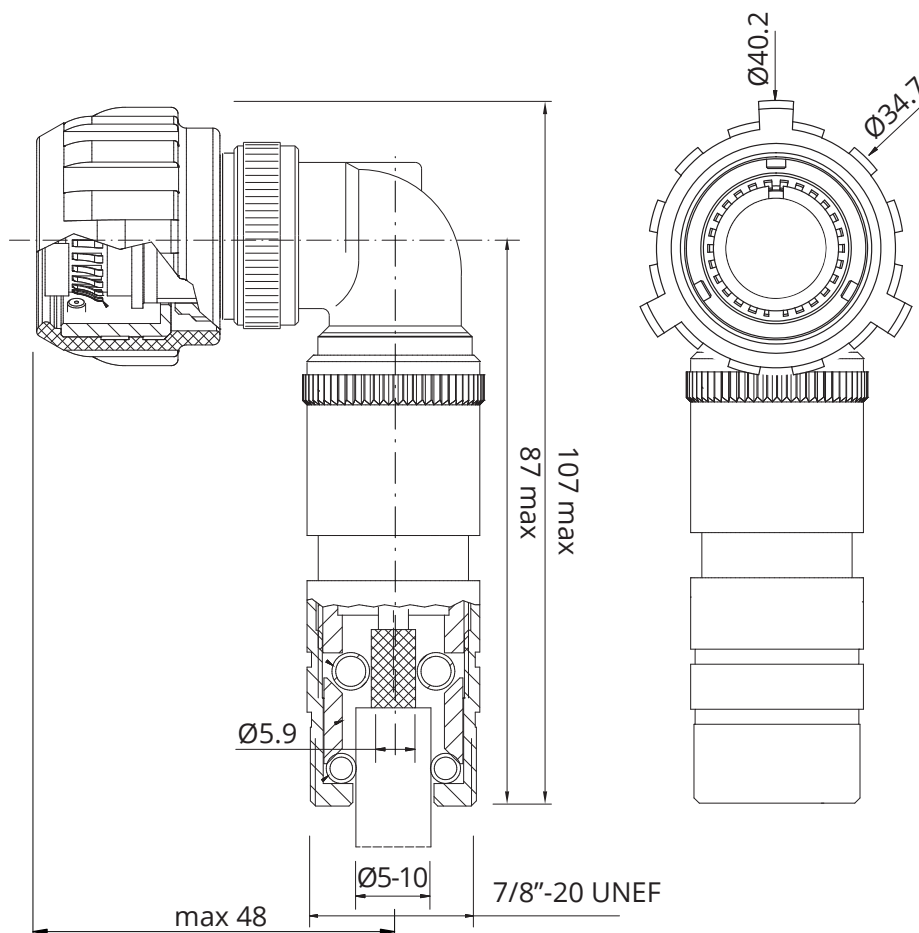
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
6	Shell Type	6	Plug connector provided with grounding finger, for straight backshell, coupling nut rubber covered
14S-9	Insert Arrangement	14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
FS1318	Connector Class **	FS1318	Provided with a special adapter for UNI4883 rubber conduits
F16	Shell finishes	F5	Electroless nickel (RoHS compliance)
		F16	CCF - Black passivation - conductive (RoHS compliance)

P/N Sample: RF EVBS 6 14S-9P FS1318 F16

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (8) with 90° Elbow Class (P1-P2-P3)

Connector provided with grounding finger to guarantee shielding; The iris spring is used to connect multicore jacketed cables or jacketed hoses. Rubber covered coupling nut able to protect against dust and impact.



Part Number	Short Description	N° Poles	Contact Gender	Type	Wire Section mm ²	AWG	Contact Type	Contact plated
on request	RF EVBS 8 14S-9P P2 F16	2	Pin	WTB	0,15÷0,6	26÷20	crimp	Gold
VS170511	RF EVBS 8 14S-2P P2 F16	4	Pin	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
VS170509	RF EVBS 8 14SZ8P P2 F16	8	Pin	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 8 14SZ10P P2 F16	10	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 8 14SZ14P P2 F16	14	Pin	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 8 14S-9S P2 F16	2	Socket	WTB	0,15÷0,6	26÷20	crimp	Gold
on request	RF EVBS 8 14S-2S P2 F16	4	Socket	Ethernet cat. 5 / MVB / RS485	0,15÷0,6	26÷20	crimp	Gold
VS170528	RF EVBS 8 14SZ8S P2 F16	8	Socket	Ethernet cat. 6 / 5e	0,6	20	crimp	Gold
on request	RF EVBS 8 14SZ10S P2 F16	10	Socket	7,5A - 200V	0,6	20	crimp	Gold
on request	RF EVBS 8 14SZ14S P2 F16	14	Socket	7,5A - 200V	0,6	20	crimp	Gold

Dimensions in mm

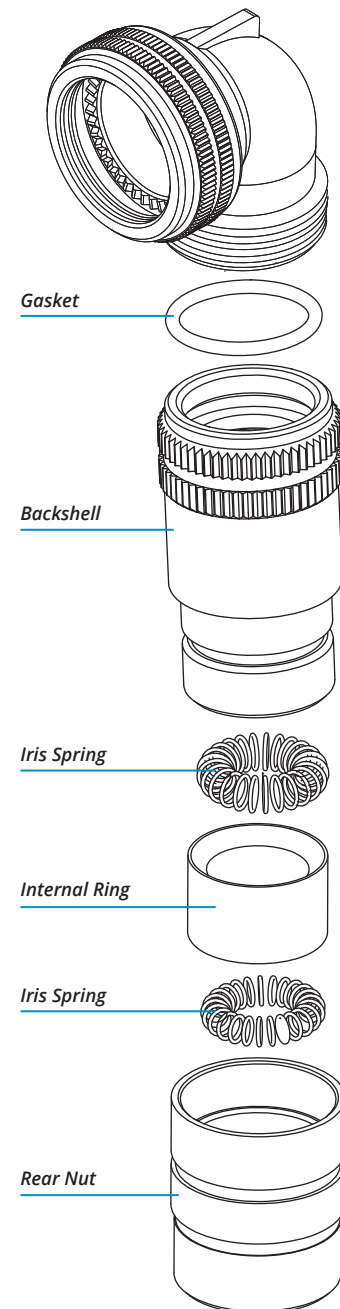
Dimension "L" can be different from the value indicated according to backshells accessories, wires size and some special insert configurations.

EVBS SERIES - Modular Bayonet Connector

Plug connector with rubber covered coupling nut (8) with 90° Elbow Class (P1-P2_P3)

RF	EVBS	303	8	14S-9	S	P2	F16
	Series Code		Shell Type			Connector Class	

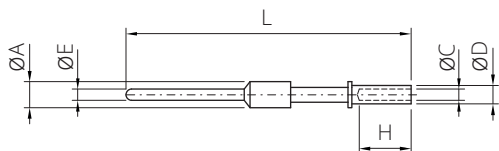
RF	Insulating material	RF	Fire resistant rubber (EN45545 R22- R23 / HL3)
EVBS	Series Code	EVBS	EVBS series
303	Shell Material	-	Aluminum
		303	Stainless Steel 303
8	Shell Type	8	Plug connector provided with grounding finger, with 90° elbow, coupling nut rubber covered
		14S-9	2 contacts size 16S (WTB)
		14S-2	4 contacts size 16S (Cat. 5/MVB/RS485)
		14S-9	Insert Arrangement
14S-9	Insert Arrangement	14SZ8	8 contacts size 20 (Cat. 6/ Cat. 5E)
		14SZ10	10 contacts size 20 (7.5A/200V)
		14SZ14	14 contacts size 20 (7.5A/200V)
S	Contact Gender	S	Socket contacts (Crimp contacts, Gold plating)
		P	Pin contacts (Crimp contacts, Gold plating)
Px	Connector Class **	P1	Cable Overall diameter 4-8mm
		P2	Cable Overall diameter 5-10mm
		P3	Cable Overall diameter 9-13mm
F16	Shell finishes	F5	Electroless nickel (RoHS compliance)
		F16	CCF - Black passivation - conductive (RoHS compliance)



P/N Sample: RF EVBS 8 14S-9P P2 F16

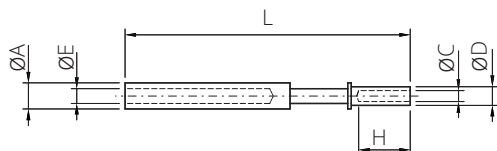
EVBS SERIES - Crimp Contacts

Pin Contacts - Gold Plated



Contact Size	Part Number	Short Description	Wire section (mm ²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
16S	VS701806	ST485 16S-13P CD5	0.15÷0.6	26÷20	3.2	1.58	1.1	2.15	6.5	26.20
20	VS702921	CT485-20P	0.6	20	2	1	1.3	1.93	4.5	20.40

Socket Contacts - Gold Plated



Contact Size	Part Number	Short Description	Wire section (mm ²)	AWG cable size	ØA	ØE	ØC	ØD	H	L
16S	VS701706	ST485 16S-13S CD5	0.15÷0.6	26÷20	3.2	1.68	1.1	2.15	6.5	26.6
20	VS702901	CT485-20S	0.6	20	2	1.08	1.3	1.93	4.5	20.40

Dimensions in mm

The creepage distance is reduced for the insert with contacts for larger wires than the standard ones. Consult our commercial office for Service Rating.

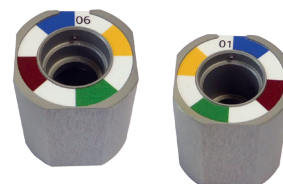
EVBS SERIES - Crimping Tools



Contacts crimping tool VS610057



Wire stripping tool VS610058



Wire identifier VS610063

Part Number	Short Description	Tool
VS610057	CRT-C7	Crimping Tool Cat.7 contacts pair
VS610058	GMM ST-C7	Wire Stripping Tool Weidmuller Stripax 0,08mm ² - 10mm ² (28 AWG - 8 AWG)
VS610063	GMM WI-C7	Wire Identifier C7
VS610067	CRT-CT-784	Crimping Tool (M22520/2-01) Daniels DMC AFM8
VS610068	LOC-CT-784	Locator (for CT 485 contacts/ Daniels DMC K1S (M22520/2-02)
VS610069	CRT-SH30L	Manual Crimp Tool for Shielding
VS610070	CDI-30K06	Crimp Die for Shielding Sleeve Ø 6mm
VS610071	CDI-30K09	Crimp Die for Shielding Sleeve Ø 9mm
VS610002	CRT-784/1	Crimping Tool Daniels DMC VM8
VS610008	LOC-784	Locator (for ST485 contacts size 16 and 12) Daniels TURRET VH435-1
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)
VS610030	CTES-784-20	Removal Tool (for ST485 contacts size 20)
VS610032	CTES-784-16	Removal Tool (for ST485 contacts size 16)
VS610052	GP-784-20	Guide Pin Size 20
VS610053	GP-784-18	Guide Pin Size 18

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 VanSystem Srl if in doubt
- the user must take final responsibility for electrical safety Radiall VanSystem 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 VanSystem'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 VanSystem 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.



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