M12 male connectors with cable

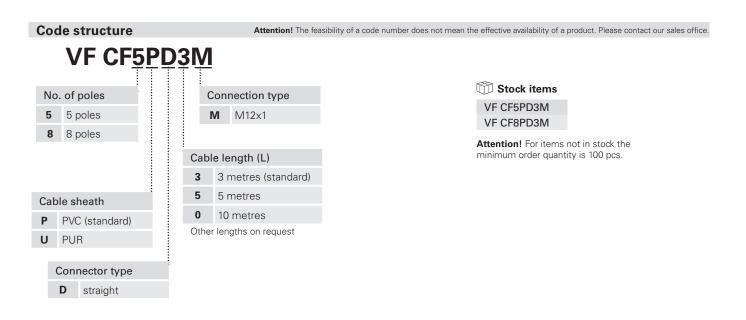
Features:

- Polyurethane connector body
- Class 6 copper conductors acc. to IEC 60228 mobile installation
- Gold-plated contacts
- Self-locking ring nut
- High flexibility cable with oil resistant PVC or PUR sheath suitable to be used in drag chains, acc. to IEC 60332-1-2

Max. operating voltage:	250 Vac / 300 Vdc (5-pole) 30 Vac / 36 Vdc (8-pole)	
Max. operating current:	4 A (5-pole) 2 A (8-pole)	
Protection degree:	IP67 acc. to EN 60529 IP69K acc. to ISO 20653 (Protect the cables from direct high-pressure and high-temperature jets)	
Ambient temperature:	-25°C +80°C for fixed installation -15°C +80°C for mobile installation	
Wire cross-sections: Minimum bending radius: Tightening torque:	0.25 mm2 (23 AWG) > cable diameter x 15 0.6 0.8 Nm	ø d: 5 mm for 5-pole 6 mm for 8-pole

Pin assignment

5 pc	oles	8 pc	oles
Pin	Colour	Pin	Colour
1	Brown	1	White
2	White	2	Brown
3	Blue	3	Green
4	Black	4	Yellow
5	Grey	5	Grey
		6	Pink
		7	Blue
		8	Red



ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



M12 x1

47,7 ~

Ø14

M12 female connectors with cable

Features:

• Polyurethane connector body

4 A (4-5-pole); 2 A (8-pole); 1.5 A (12-pole) IP67 acc. to EN 60529, IP69K acc. to ISO 20653

-25°C ... +80°C, PVC sheath, fixed installation -15°C ... +80°C, PVC sheath, mobile installation

-40°C ... +80°C, PUR sheath, fixed installation -25°C ... +80°C, PUR sheath, mobile installation

(Protect the cables from direct high-pressure and high-temperature jets)

Gold-plated contacts

to IEC 60332-1-2

250 Vac / 300 Vdc (4/5-pole)

 $0.34\ mm^2$ (22 AWG) for 4-pole

0.25 mm² (23 AWG) for 5/8-pole

0.14 mm² (26 AWG) for 12-pole

> cable diameter x 15

0.6 ... 0.8 Nm

30 Vac / 36 Vdc (8/12-pole)

hex version.

Class 6 copper conductors acc. to IEC 60228 - mobile installation

Self-locking ring nut made of nickel-plated brass, available on request in AISI 316L stainless steel

• High flexibility cable with oil resistant PVC or PUR sheath suitable to be used in drag chains, acc.

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.



Max. operating voltage:

Max. operating current: Protection degree:

Ambient temperature:

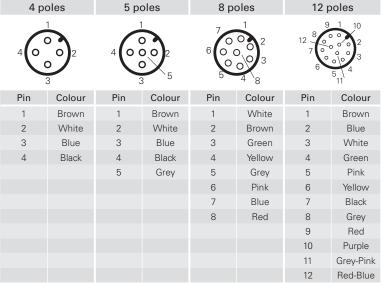
Wire cross-sections:

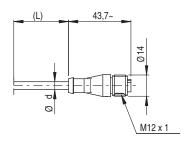
Minimum bending radius: Tightening torque:

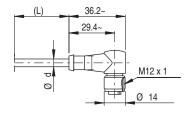
Pin assignment

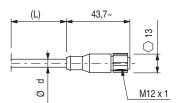
Code structure

article









ød: 5 mm for 4 and 5-pole 6 mm for 8 and 12 poles

options VF CA4PD3M C Stock items VF CA4PD3M No. of poles Connection type Fixing ring VF CA4PD5M 4 4 poles Μ M12x1 cylindrical ring nut (standard) VF CA4PD0M 5 5 poles X stainless steel hex ring nut VF CA5PD3M 8 8 poles VF CA5PD5M 8 5 12 4 Cable length (L) VF CA5PD0M poles poles poles poles 12 poles 12 1 metre VF CA8PD5M 1 VF CA8PD0M Cable sheath 2 2 metres VF CA12PD5M Ρ PVC (standard) 3 3 metres (standard) VF CA12PD0M PUR U 4 4 metres VF CA8UD5M-X 5 5 metres (standard) VF CA8UD0M-X Connector type VF CA12UD0M-X ... straight (standard) D Attention! For items not in 0 10 metres (standard) stock the minimum order G angled quantity is 100 pcs. Other lengths on request

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads. → The 2D and 3D files are available at www.pizzato.com All values in the drawings are in mm



Accessories

M12 male connectors



Features:

These standard M12 male connectors are ready for the installation on the switches. Their wires have the right length for the connection to the contact blocks and are provided with wire-end sleeves. On request they can be delivered already wired to the switch. The connectors are used where a very short machine down time is required (e.g. in big plants). The connector-provided switch can be replaced very quickly with an identical one with no chance of incorrect wiring.

Max. operating voltage:

Max. operating current:

Protection degree:

Ambient temperature: Tightening torque: Wire cross-sections:

Contact type:

Pin assignment

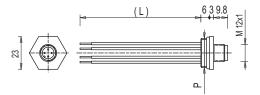


30 Vac / 36 Vdc (8/12-pole) 4 A (4/5-pole) 2 A (8-pole) 1.5 A (12-pole) IP67 acc. to EN 60529 IP69K acc. to ISO 20653 -25°C ... +80°C 1 ... 1.5 Nm 0.5 mm² (20 AWG) for 4/5-pole 0.25 mm² (23 AWG) for 8-pole 0.14 mm² (26 AWG) for 12-pole gold-plated

8 poles

12 poles

250 Vac / 300 Vdc (4/5-pole)

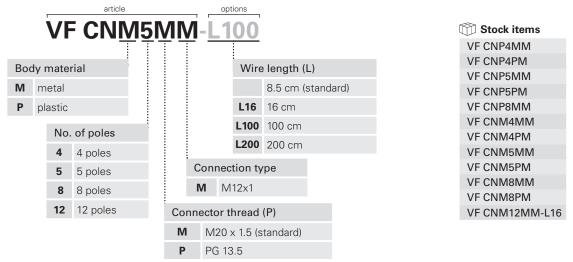


2		2		2			
Pin	Colour	Pin	Colour	Pin	Colour	Pin	Colour
1	Brown	1	Brown	1	White	1	Brown
2	White	2	White	2	Brown	2	Blue
3	Blue	3	Blue	3	Green	3	White
4	Black	4	Black	4	Yellow	4	Green
		5	Grey	5	Grey	5	Pink
				6	Pink	6	Yellow
				7	Blue	7	Black
				8	Red	8	Grey
						9	Red
						10	Purple
						11	Grey-Pink
						12	Red-Blue

5 poles

Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.



ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads. Note: the 12-pole connector is only available in metal with M20x1.5 thread and 16 cm wires.

All values in the drawings are in mm



Field wireable M12 female connectors

07	 Features: Technopolymer connector body Gold-plated contacts Screw terminals for cable screw fittings 	55~
Max. operating voltage: Max. operating current: Protection degree: Ambient temperature: Wire cross-sections: Tightening torque:	30 Vac/dc (8-pole) 4 A (4 and 5-pole)	
Article	Description	no. of poles
VF CBMP4DM04	Field wireable M12 female connector, straight, for Ø 4 Ø 6.5 mm multipolar cables	4
VF CBMP5DM04	Field wireable M12 female connector, straight, for Ø 4 \dots Ø 6.5 mm multipolar cables	5

Field wireable M12 female connector, straight, for Ø 4 ... Ø 7 mm multipolar cables

Field wireable M12 male connectors

VF CBMP8DM04

	 Features: Technopolymer connector body Gold-plated contacts Screw terminals for cable screw fittings 	
Max. operating voltage:	250 Vac/dc (5-pole)	
Max. operating current:	4 A (5-pole)	
Protection degree:	IP67 acc. to EN 60529	0~
Ambient temperature: Wire cross-sections: Tightening torque:	-25°C +85°C 0.25 mm² (23 AWG) 0.5 mm² (20 AWG) 0.6 0.8 Nm	<u> </u>
Article	Description	no. of poles
VF CCMP5DM04	Field wireable M12 male connector, straight, for Ø 4 Ø 6.5 mm multipolar cables	5
VF CCMP8DM04	Field wireable M12 male connector, straight, for Ø 4 Ø 7 mm multipolar cables	8

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.



Accessories

Series connection with Y-shaped M12 connectors

To facilitate and simplify the series wiring of the safety devices, a variety of accessories designed specifically for this purpose are available. With the help of the proven M12 round connector, safety equipment of Category 4, SIL3 and PL e with up to 32 elements connected in series is possible. All of which is possible without the risk of connection errors and with a high IP67 protection degree.

The safety circuits consist of a 24 Vdc power supply unit, a number of extensions to the installed devices, Y connectors for branching out from the chain to each individual device and a terminating plug.

In addition to the power supply unit, a suitable safety module is used to assess the state of the safety outputs within the safety chain.

Devices suitable for series connection

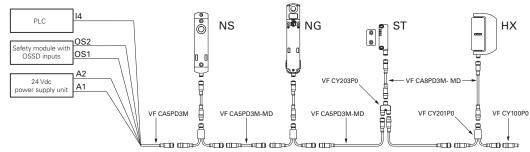
The series may consist both of devices that are identical to one another (homogeneous series) or that belong to different series (mixed series). The following Pizzato Elettrica devices may be connected in series using the Y connectors.

- ST series safety sensors with RFID technology:
- ST ••31•M•, ST ••71•M•.
- NG series safety locking switches with RFID technology: NG ••••••-K950, NG •••••-K951, NG ••••••-K952.
- NS series safety locking switches with RFID technology: NS ••••••Q•.
- HX series safety hinge switches: HX BEE1-••M.

Electrical connection of the chain

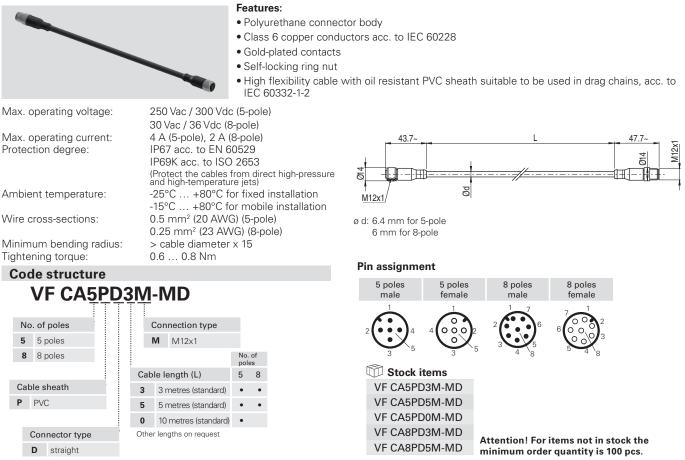
Pin	Colour	Connect	ion
1	Brown	A1	Supply input +24 Vdc
2	White	OS1	Safety output
3	Blue	A2	Supply input 0 V
4	Black	OS2	Safety output
5	Grey	14	Solenoid activation input

Note: By activating/deactivating input I4, all switches of the NG and NS series in the chain simultaneously block/open all guards. Activation and deactivation of input I4 has no effect on the ST sensors and HX hinges in the chain.



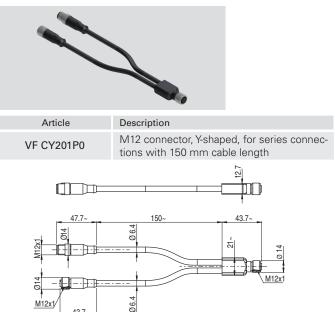
• Attention! For proper operation of the devices connected in series via cables or Y connectors, it is necessary to pay particular attention to the voltage drop that occurs in the circuit. Pay particular attention to the currents and cross-sections/lengths of the used cables to ensure that the supply voltage of the components at the end of the series connection remains within the specified limit values during effective operation.

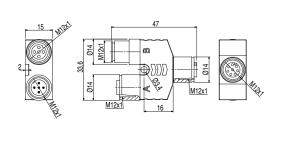
M12 male-female connectors with cable





M12 connectors, Y-shaped, for series connections



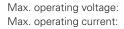


tions without cable

Description

Features:

- Polyurethane connector body
- Gold-plated contacts
- Self-locking ring nut
- Class 6 copper conductors acc. to IEC 60228
- High flexibility cable with oil resistant PVC sheath suitable to be used in drag chains, acc. to IEC 60332-1-2



Article

VF CY203P0

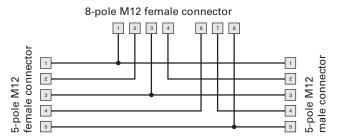
Protection degree: Ambient temperature:

Wire cross-sections: Minimum bending radius: Tightening torque:

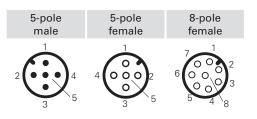
30 Vac / 36 Vdc 4 A (5-pole) 2 A (8-pole) IP67 acc. to EN 60529 -25°C ... +80°C for fixed installation -15°C ... +80°C for mobile installation 0.5 mm² (20 AWG) > cable diameter x 15 0.6 ... 0.8 Nm

M12 connector, Y-shaped, for series connec-

Internal block diagram, Y-shaped connector



Pin assignment



IMPORTANT: When used in safety applications, the Y connectors must be installed in a location that is not directly accessible, so as to avoid shocks or tampering.

M12 terminating plugs for series connections

	Features: • Polyurethane connector body • Gold-plated contacts • Self-locking ring nut	47.7~	Pin assignment 4-pole male	Internal block diagram of the terminating plug
Max. operating voltage: Max. operating current: Protection degree: Tightening torque:	250 Vac / 300 Vdc 4 A IP67 acc. to EN 60529 0.6 0.8 Nm			
Article	Description			
VF CY100P0	M12 terminating plugs for series connections	s, 4-pole		

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



Accessories

M23 male connectors



Features:

250 Vac (12-pole)

100 Vac (19-pole)

-25°C ... +80°C 1 ... 1.5 Nm

gold-plated

0.34 mm² (22 AWG)

IP67 acc. to EN 60529 IP69K acc. to ISO 20653

3 A

These standard M23 male connectors are ready for the installation on the switches with M20 cable input (e.g.: FG series and NG series).

Their wires have the right length for the connection to the contact blocks and are provided with wire-end sleeves. On request they can be delivered already wired to the switch. The connectors are used where a very short machine down time is required (e.g. in big plants). The connector-provided switch can be replaced very quickly with an identical one with no chance of incorrect wiring.

(L)

19 40

M20x1,5

Max. operating voltage:

Max. operating current: Protection degree:

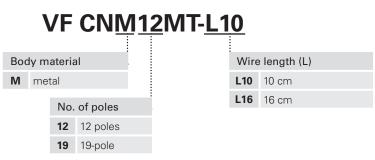
Ambient temperature: Tightening torque: Wire cross-section: Contact type:

Pin assignment

12	12 poles 19-pole				
7• 6•	9 1 12 10 2 11 3 5 4	11 12 1 10 17 18 2 9 17 18 13 15 16 15 15 4 7 6 5			
Pin	Colour	Pin	Colour	Pin	Colour
1	White	1	White	13	White-Green
2	Brown	2	Brown	14	Brown-Green
3	Green	3	Green	15	White-Yellow
4	Yellow	4	Yellow	16	Yellow-Brown
5	Grey	5	Grey	17	White-Grey
6	Pink	6	Pink	18	Grey-Brown
7	Blue	7	Blue	19	White-Pink
8	Red	8	Red		
9	Black	9	Black		
10	Purple	10	Purple		
11	Grey-Pink	11	Grey-Pink		
12	Red-Blue	12	Red-Blue		

Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.



Note

For applications with NG series switches, use connectors with L10 wire length. For applications with FG series switches, use connectors with L16 wire length.

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



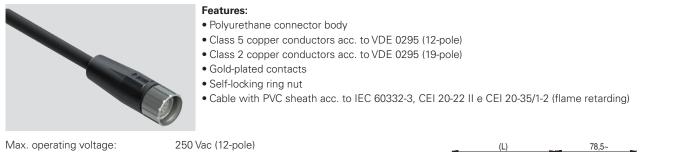
M23 x 1

8

ø d: 8.2 mm for 12-pole

8.6 mm for 19 poles

M23 female connectors with cable



-5°C ... +70°C

Max. operating voltage:

Max. operating current: Protection degree:

Ambient temperature: Wire cross-sections:

Minimum bending radius: Tightening torque:

Pin assignment

12	2 poles	19-pole			
20 3 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
Pin	Colour	Pin	Colour	Pin	Colour
1	White	1	White	13	White-Green
2	Brown	2	Brown	14	Brown-Green
3	Green	3	Green	15	White-Yellow
4	Yellow	4	Yellow	16	Yellow-Brown
5	Grey	5	Grey	17	White-Grey
6	Pink	6	Pink	18	Grey-Brown
7	Blue	7	Blue	19	White-Pink
8	Red	8	Red		
9	Black	9	Black		
10	Purple	10	Purple		
11	Grey-Pink	11	Grey-Pink		
12	Red-Blue	12	Red-Blue		

100 Vac (19-pole) 3 A IP67 acc. to EN 60529

IP69K acc. to ISO 20653

> cable diameter x 15 1 ... 1.5 Nm

0.5 mm² (20 AWG) (12-pole)

0.34 mm² (22 AWG) (19-pole)

Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

Cable length (L) VF CA19PD0S O 10 metres ZO 20 metres Other lengths on request	/F CA <u>12PD20S</u>	
Pooles S M23x1 VF CA12PD0S VF CA12PD0S VF CA12PD0S VF CA12PD0S VF CA12PD0S VF CA19PD0S VF CA19PD0S VF CA19PD0S VF CA19PD0S <	of malas	
Cable length (L) VF CA19PD0S Sheath 0 10 metres /C 20 20 metres Other lengths on request Other lengths on request		nnection type
Cable length (L) VF CA19PD20S 0 10 metres /C 20 20 20 metres Other lengths on request	12 poles S	M23x1
Cable length (L) VF CA19PD20S sheath 0 10 metres /C 20 20 metres Other lengths on request Other lengths on request	19-pole	
0 10 metres order quantity is 50 pcs. 20 20 metres Other lengths on request		ength (L)
20 20 metres Other lengths on request	e sheath 0 10) metres
	PVC 20 20) metres
ctor type	Other leng	ths on request
	nector type	
traight	straight	

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



214

Field wireable M23 female connectors



Features:

- Nickel-plated metal connector body
- Gold-plated contacts
- 12-pole or 19-pole versions

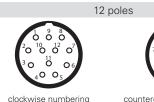
Max.	operating	voltage:
------	-----------	----------

Max. operating current: Protection degree:

Ambient temperature: Tightening torque: Pollution degree: Switching cycles:

clockwise numbering

Pin configuration



250 Vac (12-pole) 100 Vac (19-pole)

-40°C ... +125°C

1 ... 1.5 Nm

IP67 acc. to EN 60529 IP69K acc. to ISO 20653

8 A

3

> 1000

numbering

19-pole

counterclockwise numbering

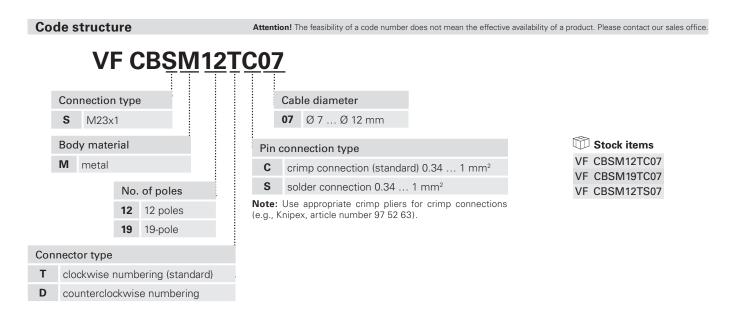


Article	Description
VF AC2205	Mounting key

59

Ø 26.2

Note: Article required for opening and wiring the connector



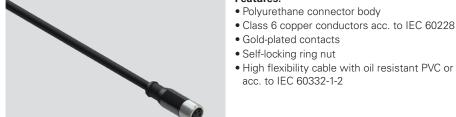
ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



M8 female connectors with cable

Features:



Self-locking ring nut
High flexibility cable with oil resistant PVC or PUR sheath suitable to be used in drag chains, acc. to IEC 60332-1-2

Max. operating voltage: Max. operating current: Protection degree:

Ambient temperature:

Wire cross-sections: Minimum bending radius: Tightening torque:

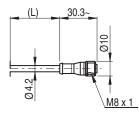
Pin assignment



Pin	Colour
1	Brown
2	White
3	Blue
4	Black

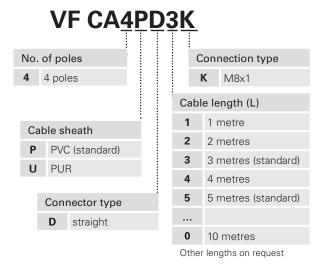
60 Vac / 75 Vdc 4 A

IP67 acc. to EN 60529 IP69K acc. to ISO 20653 (Protect the cables from direct high-pressure and high-temperature jets) -25°C ... +80°C for fixed installation -15°C ... +80°C for mobile installation 0.25 mm2 (23 AWG) > cable diameter x 15 0.3 ... 0.5 Nm



Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.



The stock items
VF CA4PD3K
VF CA4PD5K

Attention! For items not in stock the minimum order quantity is 100 pcs.

ATTENTION: always disconnect the power supply before removing the connector. The connector is not suitable for separation of electrical loads.

All values in the drawings are in mm



Strain relief cable glands

Packs of 10 pcs.

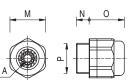
This particular design ensures high resistance to traction of the cable glands. All cable glands are also suitable for a wide range of cable diameters.

Suitable for circular cross-section cables only.

Features:

Body and ring material: Protection degree: Tightening torque:

technopolymer without halogen IP67 acc. to EN 60529 3 ... 4 Nm (PG 13.5/M20) 2 ... 2.5 Nm (PG 11/M16)



Packs of 100 pcs.

Packs of 10 pcs.

	Article	Description	А	Oм	Ν	0	Р
	VF PAM25C7N	Cable gland M25x1.5 for a cable from Ø 10 to Ø 17 mm	0	30	10	28	M25x1.5
	VF PAM20C6N	M20x1.5 cable gland for one cable Ø 6 12 mm	0	24	9	24	M20x1.5
	VF PAM20C5N	M20x1.5 cable gland for one cable Ø 5 10 mm	0	24	9	24	M20x1.5
	VF PAM20C3N	M20x1.5 cable gland for one cable Ø 3 7 mm	0	24	9	24	M20x1.5
ds ic	VF PAM16C5N	M16x1.5 cable gland for one cable \emptyset 5 10 mm	0	22	7.5	23	M16x1.5
Metric threads	VF PAM16C4N	M16x1.5 cable gland for one cable Ø48 mm	0	22	7.5	23	M16x1.5
≓ ≂	VF PAM16C3N	M16x1.5 cable gland for one cable Ø37 mm	0	22	7.5	23	M16x1.5
	VF PAM20CBN	M20x1.5 multi-hole cable gland for 2 cables Ø 3 5 mm	θ	24	9	23	M20x1.5
	VF PAM20CDN	M20x1.5 multi-hole cable gland for 3 cables Ø 1 \ldots 4 mm	•	24	9	23	M20x1.5
	VF PAM20CEN	M20x1.5 multi-hole cable gland for 3 cables Ø 3 \dots 5 mm	•	24	9	23	M20x1.5
	VF PAM20CFN	M20x1.5 multi-hole cable gland for 4 cables Ø 1 4 mm	8	22	9	23	M20x1.5
	VF PAP13C6N	PG 13.5 cable gland for one cable from Ø 6 12 mm	0	24	9	24	PG 13.5
(0)	VF PAP13C5N	PG 13.5 cable gland for one cable from Ø 5 10 mm	0	24	9	24	PG 13.5
PG threads	VF PAP13C3N	PG 13.5 cable gland for one cable from Ø 3 7 mm	0	24	9	24	PG 13.5
thre	VF PAP11C5N	PG 11 cable gland for one cable from Ø 5 \dots 10 mm	0	22	7.5	23	PG 11
÷	VF PAP11C4N	PG 11 cable gland for one cable from Ø 4 8 mm	0	22	7.5	23	PG 11
	VF PAP11C3N	PG 11 cable gland for one cable from Ø 3 7 mm	0	22	7.5	23	PG 11

Thread adapters

Thread adapters make it possible to fulfil requests for switches with a different thread to those generally found in stock. This means it is possible to offer customers a single product type with various threaded connections, while only having to stock the product itself and many kinds of adapters.

Features: Body material: Tightening torque:

e	Features: Body material: Tightening torque:	glass fibre reinforce 3 4 Nm	d technopolym	ner			
Article	Description		Х	Y	Z	К	Oe
VF ADPG13-PG11	Adapter from PG 13.5 to PG 11		PG 13.5	PG 11	9	12	22
VF ADPG13-M20	Adapter from PG 13.5 to M20x1.5		PG 13.5	M20x1.5	9	14	24
VF ADPG13-1/2NPT	Adapter from PG 13.5 to 1/2 NPT		PG 13.5	1/2 NPT	9	14	24
VF ADPG11-1/2NPT	Adapter from PG 11 to 1/2 NPT		PG 11	1/2 NPT	7	14	24
VF ADPG11-PG13	Adapter from PG 11 to PG 13.5		PG 11	PG 13.5	7	14	24
VF ADM20-1/2NPT	Adapter from M20 x 1.5 to 1/2 NPT		M20 x 1.5	1/2 NPT	9	14	24

Protection caps

(+	Features: Body material: Protection degree: Tightening torque: Cross-recessed screw:	technopolymer, self-extinguishing IP67 acc. to EN 60529 IP69K acc. to ISO 20653 1.2 1.6 Nm PH3	R R R R R R R R R R R R R R R R R R R	
Article	Description		А	В
VF PTM20	Protection cap M20x1.5		24	M20x1.5
VF PTG13.5	Protection cap PG13.5		24	PG 13.5

All values in the drawings are in mm



Packs of **10 pcs**.

	cuucu nuto				
	0	Features: Tightening torque: 1.2 2 Nm	P	S- CH L	
	Article	Description	S	СН	Р
	VF DFPM25	M25x1.5 threaded technopolymer nut	6	32	M25x1.5
Plastic	VF DFPM20	M20x1.5 threaded technopolymer nut	6	27	M20x1.5
Pla	VF DFPM16	M16x1.5 threaded technopolymer nut	5	22	M16x1.5
	VF DFPP13	PG13.5 threaded technopolymer nut	6	27	PG 13.5
Metal	VF DFMM20	M20x1.5 threaded nut in nickel-plated brass	3	23	M20x1.5

Chock plugs

Threaded nuts

Notes: Use a socket wrench for tightening.
Article Description A B
VF PFM20C8N M20x1.5 chock plug for cables from Ø 8Ø 12 mm 7.5 M20x1.
VF PFM20C4N M20x1.5 chock plug for cables from Ø 4Ø 8 mm 3.5 M20x1.

Tampering protection for M12 connectors



Installation:

Features:

These tampering protections are composed of two identical snap-on shells. They are applied to the device connectors, thereby making them inaccessible. The shells can only be removed by breaking them. Thus, any attempt to tamper with them will be immediately evident.

The protection can be installed quickly and easily by pressing the two shells lightly into place.

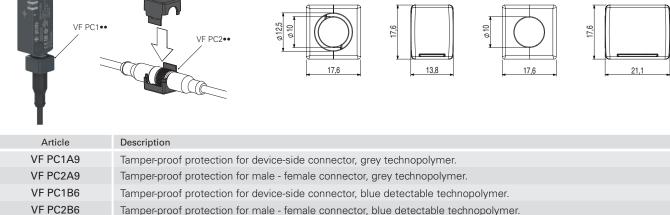
Packs of 10 pcs.

Packs of 100 pcs.

The protections are suitable for all devices with an M12 co-moulded connector (for example: the NS, ST, SR series) but they can also be used for junctions between cables with male - female connectors. The outer ring of the connector must have a max. diameter of 14 mm.

A version made of detectable plastic is available for the food industry, and it can easily be detected during the process using common optical vision technologies, X-rays or metal detectors.

Articles VF PC2••



Articles VF PC1••

Tamper-proof protection for male - female connector, blue detectable technopolymer.

All values in the drawings are in mm

Fixing plates



Metal fixing plate, for fixing rope switches on the ceiling. The plate is provided with bore holes for fasting switches of the FD, FL, FC, FP, FR, FM, FZ, FX, FK series. It is supplied without screws.

 Article
 Description

 VF SFP2
 Ceiling fixing plate

Fixing plates



Fixing plate (complete with fastening screws) provided with long slots for adjusting the operating point. Each plate is provided with two pairs of mounting holes, one for standard switches and one for switches with reset device. The actuator thus always has the same actuating point.

Article	Description
VF SFP1	Fixing plate (FR series)
VF SFP3	Fixing plate (FX series)

Torx safety screws

Packs of **10 pcs**.



Description

Pan head screws with Torx fitting and pin, stainless steel. Use a thread locker where required for applications acc. to. EN ISO 14119.

OneWay safety screws



Article

Pan head screws with OneWay fitting in stainless steel.

Packs of **10 pcs**.

This screw type cannot be removed or tampered with using common tools. Ideal for fixing safety device actuators in accordance with EN ISO 14119.

Description

VF VAM4X10BW-XM4x10 screw, with OneWay fitting, AISI 304VF VAM4X15BW-XM4x15 screw, with OneWay fitting, AISI 304VF VAM4X20BW-XM4x20 screw, with OneWay fitting, AISI 304VF VAM4X25BW-XM4x25 screw, with OneWay fitting, AISI 304VF VAM5X10BW-XM5x10 screw, with OneWay fitting, AISI 304VF VAM5X15BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304VF VAM5X25BW-XM5x25 screw, with OneWay fitting, AISI 304		
VF VAM4X20BW-XM4x20 screw, with OneWay fitting, AISI 304VF VAM4X25BW-XM4x25 screw, with OneWay fitting, AISI 304VF VAM5X10BW-XM5x10 screw, with OneWay fitting, AISI 304VF VAM5X15BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304	VFVAM4X10BW-X	M4x10 screw, with OneWay fitting, AISI 304
VF VAM4X25BW-XM4x25 screw, with OneWay fitting, AISI 304VF VAM5X10BW-XM5x10 screw, with OneWay fitting, AISI 304VF VAM5X15BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304	VFVAM4X15BW-X	M4x15 screw, with OneWay fitting, AISI 304
VF VAM5X10BW-XM5x10 screw, with OneWay fitting, AISI 304VF VAM5X15BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304	VFVAM4X20BW-X	M4x20 screw, with OneWay fitting, AISI 304
VF VAM5X15BW-XM5x15 screw, with OneWay fitting, AISI 304VF VAM5X20BW-XM5x20 screw, with OneWay fitting, AISI 304	VFVAM4X25BW-X	M4x25 screw, with OneWay fitting, AISI 304
VFVAM5X20BW-X M5x20 screw, with OneWay fitting, AISI 304	VFVAM5X10BW-X	M5x10 screw, with OneWay fitting, AISI 304
	VFVAM5X15BW-X	M5x15 screw, with OneWay fitting, AISI 304
VF VAM5X25BW-X M5x25 screw, with OneWay fitting, AISI 304	VF VAM5X20BW-X	M5x20 screw, with OneWay fitting, AISI 304
	VFVAM5X25BW-X	M5x25 screw, with OneWay fitting, AISI 304

Article VF VAM4X10BX-X VF VAM4X15BX-X VF VAM4X20BX-X VF VAM4X20BX-X VF VAM5X10BX-X VF VAM5X10BX-X VF VAM5X20BX-X VF VAM5X25BX-X VF VAM5X35BX-X VF VAM5X35BX-X

M4x10 screw, with Torx T20 fitting, AISI 304 M4x15 screw, with Torx T20 fitting, AISI 304 M4x20 screw, with Torx T20 fitting, AISI 304 M4x25 screw, with Torx T20 fitting, AISI 304 M4x30 screw, with Torx T20 fitting, AISI 304 M5x10 screw, with Torx T25 fitting, AISI 304 M5x15 screw, with Torx T25 fitting, AISI 304 M5x20 screw, with Torx T25 fitting, AISI 304 M5x25 screw, with Torx T25 fitting, AISI 304 M5x35 screw, with Torx T25 fitting, AISI 304 M5x35 screw, with Torx T25 fitting, AISI 304 M5x35 screw, with Torx T25 fitting, AISI 304

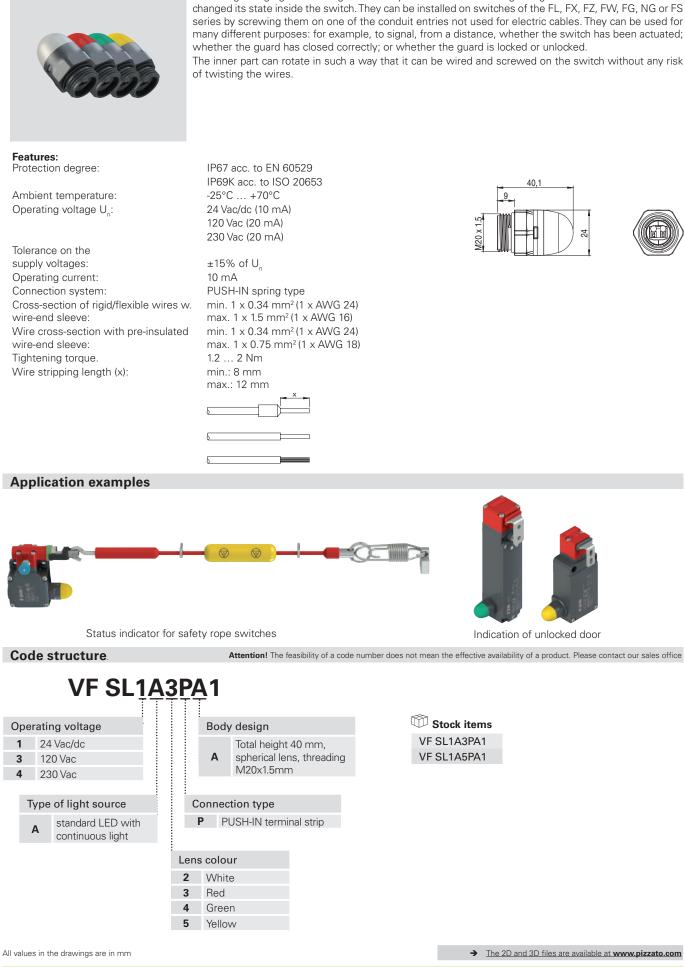
Bits for Torx safety screws



Bits for Torx safety screws with pin, with $\frac{1}{4}$ " hexagonal connection.

Article	Description
VF VAIT1T20	Bits for M4 screws with Torx T20 fitting
VF VAIT1T25	Bits for M5 screws with Torx T25 fitting
VF VAIT1T30	Bits for M6 screws with Torx T30 fitting





Packs of **5 pcs**.

These signalling lights with high luminosity LEDs are used for signalling that an electric contact has

LED signalling lights



Junction box for series connection of up to 4 devices



6C 7C 8C

1B

2B

3B

4B

5B

6B

7B

8B

9B

10B

11B

Pin assignment

1A

2A

ЗA

4A

5A

6A

7A

8A

9A

10A

11A

1C 2C 3C 4C 5C

This accessory allows easy and precise series connection of up to 4 devices. Thanks to the numbered terminals and to the internal circuit, it is sufficient to connect the conductors in the slots provided with the practical and fast PUSH-IN spring connections.

Thanks to the four internal microswitches, it is possible to easily and immediately direct the device signalling outputs (open or closed, locked or unlocked) to one of the four available auxil-iary channels and then manage the information independently for each channel through a PLC.

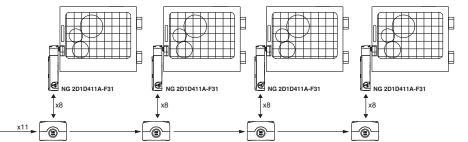
Features:	
Material:	

Material:	Self-extinguishing shock-proof polycar insulation, UV-resistant and glass fibre		double
Material of the screws:	Stainless steel		
Protection degree:	IP67 acc. to EN 60529, IP69K acc. to gland of equal or higher protection de		with cable
Conduit entries:	2x M20 - 1/2 NPT knock-out side entri 2x M20 - 1/2 NPT - M25 knock-out sid 2x M16 knock-out base entries		
Ambient temperature:	-40°C +80°C		
Tightening torque of the cover scr	rews: 1 1.4 Nm		
Connection system:	PUSH-IN spring type		
Cross-section of rigid/flexible wires			
w. wire-end sleeve:	min. 1 x 0.34 mm ² (1 x AWG 24) max. 1 x 1.5 mm ² (1 x AWG 16)		
Wire cross-section			
with pre-insulated wire-end sleeve:	min. 1 x 0.34 mm ² (1 x AWG 24) max. 1 x 0.75 mm ² (1 x AWG 18)		
Wire stripping length (x):	min.: 8 mm max.: 12 mm	δ	

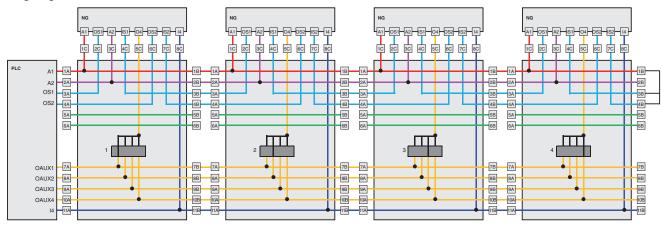
Article	Description
VF CY302P0	Junction box for series connection of up to 4 devices

Terminal box	Connectior	1	Terminal box	Connectio	n
1A/1B	A1	Supply input +24 Vdc	1C	A1	Supply input +24 Vdc
2A / 2B	A2	Supply input 0 V	2C	OS1	Safety output
3A / 3B	OS1 / IS1	Safety output / safety input	3C	A2	Supply input 0 V
4A / 4B	OS2 / IS2	Safety output / safety input	4C	IS1	Safety input
5A / 5B		Auxiliary connection		O3	Signalling output, actuator inserted
6A / 6B		Auxiliary connection	5C	04	Signalling output, actuator inserted
7A / 7B	OAUX1	Auxiliary output Oaux1		04	and locked
8A / 8B	OAUX2	Auxiliary output Oaux2	6C	OS2	Safety output
9A / 9B	OAUX3	Auxiliary output Oaux3	7C	IS2	Safety input
10A / 10B	OAUX4	Auxiliary output Oaux4	8C	14	Solenoid activation input
11A/11B	14	Solenoid activation input			

Example of series connection of 4 NG series switches



Wiring diagram





Notes																						