M12 plugs

All measures in the drawings are in mm



These standard M12 plugs 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 switch with connector can be replaced with an identical one very quickly, avoiding the possibility of incorrect wiring.

Technical data:

Max. operating voltage: 250 Vac / 300 Vdc (4/5 poles) 30 Vac / 36 Vdc (8/12 poles)

Max. operating current:

4 A (4/5 poles)

2 A (8 poles)

Protection degree:

Ambient temperature:

Tightening torque:

1.5 A (12 poles)

IP67 acc. to EN 60529

-25°C ... +80°C

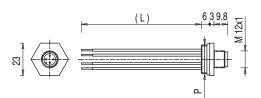
1 ... 1.5 Nm

Wire cross-section: 0.5 mm² (20 AWG) for 4/5 poles 0.25 mm² (24 AWG) for 8 poles 0.14 mm² (26 AWG) for 12 poles

gold-plated

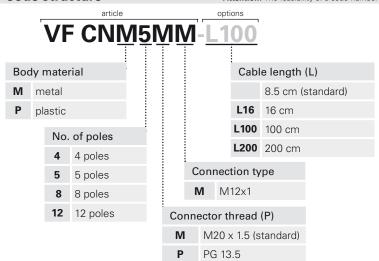
Contact type: Conductor configuration





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 cut off the power supply before disconnecting the connector. The connector is not suitable for separation of electrical loads. **Note:** the 12-pin connector is only available in metal with M20x1.5 thread and 16 cm cables.

10

11

12

Purple

Grey-Pink

Red-Blue

Items with code on **green** background are stock items

M12 sockets with cable

All measures in the drawings are in mm



Technical data:

- Polyurethane connector body (4/5/8 poles)
- Polypropylene connector body (12 poles)
- Class 6 rated copper of the wires acc. to IEC 60228 for mobile installation (4/5/8 poles)
- Class 5 rated copper of the wires acc. to IEC 60228 for fixed installation (12 poles)
- Gold-plated contacts (resistance < 5 m Ω)
- Self locking ring nut
- High flexibility wire suitable to be used in movable chains, with PVC sheath conforming to IEC 60332-3 and CEI 20-22II standards. With polyurethane sheath on request (4/5/8 poles)
- PVC cable, fixed installation (12 poles)

Technical data:

Max. operating voltage: 250 Vac / 300 Vdc (4/5 poles) 30 Vac / 36 Vdc (8/12 poles)

Max. operating current: 4 A (4-5 poles) 2 A (8 poles) 1.5 A (12 poles)

Protection degree: IP67 acc. to EN 60529

IP69K acc. to ISO 20653

(Protectthecablesfromdirecthigh-pressureandhigh-temperaturejets)
Ambient temperature: -25°C ... +90°C for fixed installation (4/5/8 poles)
-15°C ... +90°C for mobile installation (4/5/8 poles)

-15°C ... +90°C for mobile installation (4/5/8 poles)
-25°C ... +70°C for fixed installation (12 poles)

Wire cross-section: 0.34 mm² (22 AWG) for 4 poles 0.25 mm² (24 AWG) for 5/8 poles

5 poles

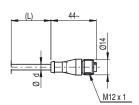
0.14 mm² (26 AWG) for 12 poles > cable diameter x 10

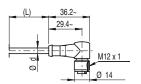
Minimum bending radius: **Conductor configuration**

4 poles

	8 poles	12 poles
2	6 0 0 0 3 5 4 8	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

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



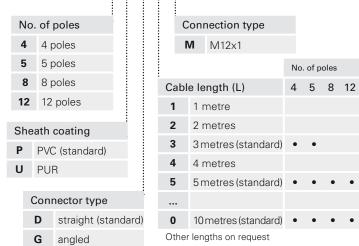


ø d: 5 mm for 4 and 5 poles 6 mm for 8 poles 6.5 mm for 12 poles

Code structure

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

VF CA4PD3M



Stock items

VF CA4PD3M VF CA4PD5M VF CA4PD0M VF CA5PD3M VF CA5PD5M VF CA5PD0M VF CA8PD5M VF CA8PD0M VF CA12PD5M VF CA12PD5M

Attention! No stock item, minimum order quantity 100 pcs.

ATTENTION: always cut off the power supply before disconnecting the connector. The connector is not suitable for separation of electrical loads.

Items with code on **green** background are stock items

Extension cable with M12 connectors



Technical data:

Polyurethane connector body

Class 6 rated copper of the wires acc. to IEC 60228

Gold-plated contacts (resistance < 5 m Ω)

Self locking ring nut

High flexibility cable suitable to be used in drag chains, with PVC sheath conforming to IEC 60332-3 and CEI 20-22II standards.

Technical data:

Max. operating voltage:

250 Vac / 300 Vdc (5 poles) 30 Vac / 36 Vdc (8 poles) 4 A (5 poles) 2 A (8 poles) IP67 acc. to EN 60529

Ambient temperature:

Max. operating current:

Protection degree: -25°C ... +90°C for fixed installation -15°C ... +90°C for mobile installation

Wire cross-section:

> cable diameter x 10

Minimum bending radius:

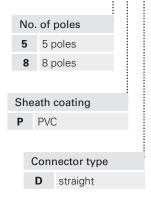
0.5 mm² (20 AWG) (5 poles) 0.25 mm² (24 AWG) (8 poles)

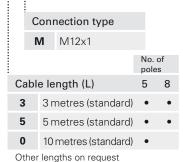


ø d: 7 mm for 5 poles 6 mm for 8 poles

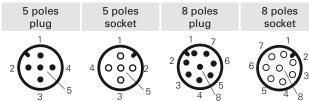
Code structure

VF CA5PD3M-MD





Conductor configuration



Articles

VF CA5PD3M-MD VF CA5PD5M-MD VF CA5PD0M-MD VF CA8PD3M-MD VF CA8PD5M-MD

M12 sockets, field wireable

All measures in the drawings are in mm



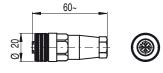
General data

Technopolymer connector body Gold-plated contacts Screw terminals for wiring Max. operating voltages 250 Vac/dc (4 and 5 poles)

Maximum current 4 A Protection degree Ambient temperature -25°C ... +85°C

30 Vac/dc (8 poles) IP67 acc. to EN 60529

from 0.25 mm² (24 AWG) to 0.5 mm² (20 AWG)



Article	Description	no. of poles
VF CBMP4DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 6.5 mm	4
VF CBMP5DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 6.5 mm	5
VF CBMP8DM04	Field wireable M12 socket, straight, for multipolar cables from Ø 4 to Ø 7 mm	8

M12 plugs, field wireable

All measures in the drawings are in mm



General data

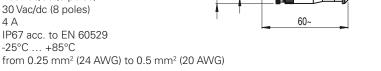
Wire cross-section

Technopolymer connector body Gold-plated contacts Screw terminals for wiring

Max. operating voltages 250 Vac/dc (5 poles) 30 Vac/dc (8 poles)

Maximum current 4 A

IP67 acc. to EN 60529 Protection degree Ambient temperature -25°C ... +85°C Wire cross-section



Article	Description	no. of poles
VF CCMP5DM04	Field wireable M12 plug, straight, for multipolar cables from Ø 4 to Ø 6.5 mm	5
VF CCMP8DM04	Field wireable M12 plug, straight, for multipolar cables from Ø 4 to Ø 7 mm	8

Items with code on **green** background are stock items



M12 connectors, Y-shaped, for series connections



Technical data:

Polyurethane connector body

Class 6 rated copper of the wires acc. to IEC 60228

Gold-plated contacts (resistance < 5 m Ω)

Self locking ring nut

High flexibility cable suitable to be used in drag chains, with PVC sheath conforming to IEC 60332-3 and CEI 20-22II standards.

Technical data:

Max. operating voltage: 30 Vac / 36 Vdc

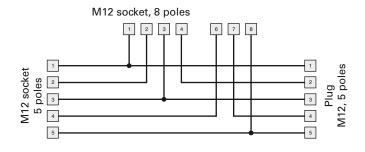
Max. operating current: 4 A (4-5 poles) 2 A (8 poles) Protection degree: 1P67 acc. to EN 60529

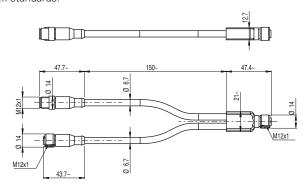
Ambient temperature: $-25^{\circ}\text{C} \dots +90^{\circ}\text{C}$ for fixed installation $-15^{\circ}\text{C} \dots +90^{\circ}\text{C}$ for mobile installa-

tion

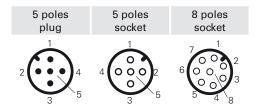
Wire cross-section: 0.5 mm² (22 AWG)
Minimum bending radius: > cable diameter x 10

Internal wiring diagram, Y-shaped connector





Conductor configuration



Article	Description
VF CY201P0	M12 connectors, Y-shaped, for series connections

M12 terminating plugs for series connections

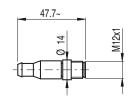


Technical data:

Polyurethane connector body Gold-plated contacts (resistance < 5 mΩ) Self locking ring nut Protection degree: IP67 acc. to EN 60529

Protection degree: IP67 acc. to EN 60529 Max. operating voltage: 250 Vac / 300 Vdc

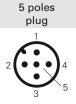
Max. operating current: 4 A



Internal wiring diagram of the terminating plug



Conductor configuration



Article	Description
VF CY100P0	M12 terminating plugs for series connections, 5 poles

Series connection with Y-shaped M12 connectors

To facilitate and simplify the series wiring of the safety devices, a variety of accessories are available, designed specifically for this purpose. Based on the proven design of the M12 connector, which simply combines standard elements, category 4, PLe and SIL3 safety device chains are available, which can connect up to 32 devices in series. All of which is without the risk of connection errors and with a high IP67 protection degree. The safety chains are composed of a 24Vdc power supply unit, a series of extension cables to reach the various devices in the field, Y connectors to branch away from the chain towards each individual device, and a terminator to close the end of the line.

A suitable safety module is used alongside the power supply unit to assess the state of the safety chain safe outputs.

Items connected in series

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

ST series safety sensors with RFID technology: ST D•31•M•, ST D•71•M•

NG series safety switches with solenoid and RFID technology: Any item with an M12 connector for series connection with a "Y" connector or with option: K950, K951, K952

HX series safety hinge switches: HX BEE1-●●M

Electrical connection of the chain

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

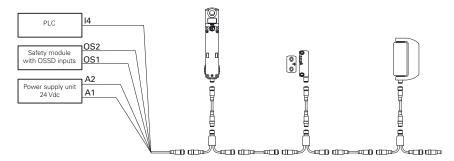
Note: By activating or deactivating the I4 input, all NG series switches in the chain will lock or unlock all the protections. Activation and deactivation of the I4 input has no effect on the ST sensors and HX hinges in the chain.

SS2

(C)

(A)

٧,



Pizzato Elettrica safety

module CS series

Consumption: 60 mA

Power supply unit

24 Vdc

Connection example and voltage drop verification

Attention! For proper operation of the devices connected in series via cables, Y connectors or junction boxes, it is necessary to pay particular attention to the voltage drop that occurs in the circuit. In particular, we must evaluate the currents involved and the sections/lengths of the cables used, to ensure that under real usage conditions the components at the end of the chain are supplied within permissible limits.

Legend:

- length 1st section (m)
- length 2nd section (m) length 3rd section (m)
- L₃ V₀ V₁ V₂ Supply voltage (V)
- voltage at point 1 (V)
- voltage at point 2 (V)
- voltage at point 3 (V)
- transfer current 1st section (A)
- transfer current 2nd section (A) | |₂ |₃
 - transfer current 3rd section (A)
- copper resistance = $0.018 (\Omega \times mm^2/m)$
- p S wire cross-section (mm²)
- SS1 safety sensor, 45 mA consumption (ST series)
- safety switch with lock, 505 mA consumption (NG series)
- Extension cable with M12 connectors, 0,25 mm² (VF CA8PD5M-MD) Data: (A):
- (B) M12 connectors, Y-shaped (VF CY201P0)
- Õ Terminating plugs for series connections (VF CY100P0)
- Extension cable with M12 connectors, 0,5 mm² (VF CA5PD0M-MD)

$$I_1 = I_{CS} + I_{SS1} + I_{SS2} = 60 + 45 + 505 = 610 \text{ mA}$$
 $I_2 = I_{SS2} = 505 \text{ mA}$

(A)

(B)

٧.

(D)

$$I_2 = I_{SS2} = 505 \text{ mA}$$

(D)

$$I_2 = I_{SS2} = 505 \text{ mA}$$
 $I_3 = I_{SS2} = 505 \text{ mA}$
 $V_0 = 24 \text{ V}$

 $L_{1} = 10 \text{ m}$

 $L_2 = 10 \text{ m}$

 $L_{2} = 5 \text{ m}$

 $S_1 = 0.5 \text{ mm}^2$

 $S_2 = 0.5 \text{ mm}^2$

 $S_3^2 = 0.25 \text{ mm}^2$

$$V_1 = V_0 - \rho \times \frac{L_1}{S_1} \times I_1 = 24 - 0.018 \times \frac{10}{0.5} \times 0.61 = 23.7 \text{ V}$$

$$V_2 = V_1 - \rho \times \frac{L_2}{S_2} \times I_2 = 23.7 - 0.018 \times \frac{10}{0.5} \times 0.505 = 23.5 \text{ V}$$

$$V_3 = V_2 - \rho \times \frac{L_3}{S_3} \times I_3 = 23.5 - 0.018 \times \frac{5}{0.25} \times 0.505 = 23.3 \text{ V}$$

Given the minimum SS2 supply voltage which is equal to 24 V- 10% = 21.6 V, which is 23.3 V > 21.6 V, the device chain described above can be classed as properly dimensioned.

Junction box for series connection of up to 4 devices



Technical data:

Screw material:

Conduit entries:

Material: Self-extinguishing shock-proof polycarbonate with

double insulation, UV resistant

fibreglass reinforced, with increased shock resistance.

stainless steel

IP67 acc. to IEC 60529 Protection degree:

IP69K acc. to ISO 20653

with cable gland having equal or higher protection degree • 2 upper and lower inputs with knock out M20 - 1/2 NPT

• 2 side inputs with knock out M20 - 1/2 NPT - M25

• 2 base inputs with knock out M16

Ambient temperature:

-40°C ... +80°C Tightening torque of the cover screws:

Connection system:

Cable stripping length (x):

1 ... 1.4 Nm PUSH-IN spring type

Cross-section of rigid wires and flexible wires with wire-end sleeve: min. 1 x 0.34 mm² (1 x AWG 24)

max. 1 x 1.5 mm² (1 x AWG 16)

Wire cross-section with pre-insulated wire-end sleeve: min. 1 x 0.34 mm² (1 x AWG 24)

max. 1 x 0.75 mm² (1 x AWG 18)

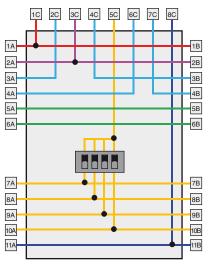
min.: 8 mm

max.: 12 mm

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

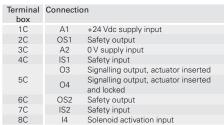
Conductor configuration

Example of series connection of 4 NG series switches

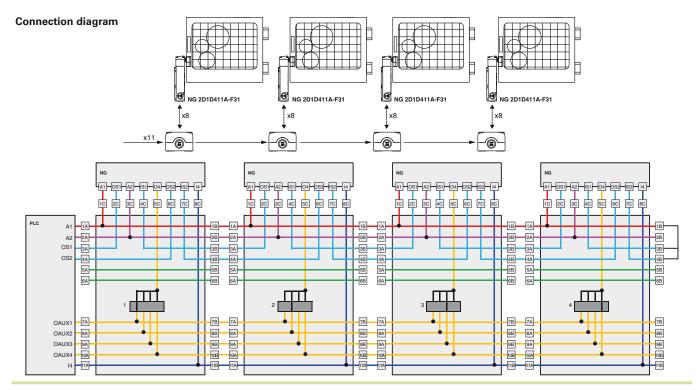


Terminal box	Connectio	n
1A	A1	+24 Vdc supply input
2A	A2	0 V supply input
3A	OS1	Safety output
4A	OS2	Safety output
5A		Auxiliary connection
6A		Auxiliary connection
7A	OAUX1	Auxiliary output Oaux1
8A	OAUX2	Auxiliary output Oaux2
9A	OAUX3	Auxiliary output Oaux3
10A	OAUX4	Auxiliary output Oaux4
11A	14	Solenoid activation input

Terminal box	Connectio	n
1B	A1	+24 Vdc supply input
2B	A2	0 V supply input
3B	IS1	Safety input
4B	IS2	Safety input
5B		Auxiliary connection
6B		Auxiliary connection
7B	OAUX1	Auxiliary output Oaux1
8B	OAUX2	Auxiliary output Oaux2
9B	OAUX3	Auxiliary output Oaux3
10B	OAUX4	Auxiliary output Oaux4
11 B	14	Solenoid activation input







M8 sockets with cable



Technical data:

Polyurethane connector body

Class 6 rated copper of the wires acc. to IEC 60228

Gold-plated contacts (resistance $< 5 \text{ m}\Omega$)

Self locking ring nut

High flexibility cable suitable to be used in drag chains, with PVC sheath conforming to IEC 60332-3 and CEI 20-22II standards.

With polyurethane sheath on request.

Max. operating voltage: 60 Vac / 75 Vdc

Max. operating current: 4 A

IP67 acc. to EN 60529 Protection degree:

IP69K acc. to ISO 20653

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

-25°C ... +90°C for fixed installation -15°C ... +90°C for mobile installation

Wire cross-section: 0.25 mm2 (24 AWG) Minimum bending radius: > cable diameter x 10

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

23.7 18.95 M8 x 1 Ø 10.3

All measures in the drawings are in mm

Conductor configuration





Pin	Colour
1	Brown
2	White
3	Blue
4	Black

No. of poles		
4	4 poles (standard)	
3	3 poles	

Sheath	coating

P PVC (standard) **U** PUR

Connector type

straight (standard) angled

Connection type

M8x1

Cabl	e length (L)	
1	1 metre	

2 metres 3 metres (standard)

4 metres 5 metres (standard)

0 10 metres Other lengths on request

Stock items

VF CA4PD3K VF CA4PD5K

Attention! No stock item, minimum order quantity 100 pcs.

M23 sockets, 12 poles, without cable

All measures in the drawings are in mm



Technical data:

Body: Max. operating voltage: Dielectric strength: Max. operating current: Protection degree: Ambient temperature: Tightening torque:

Contact type:

Pollution degree:

Mating cycles:

metal, nickel-plated 300 Vac

2500 Vac for 1 minute

8 A

IP67 / IP69K -40°C ... +125°C

1 ... 1.5 Nm

gold-plated (resistance < 3 m Ω)

counterclockwise numbering

> 1000

Pin configuration

12 poles counterclockwise clockwise numbering numbering

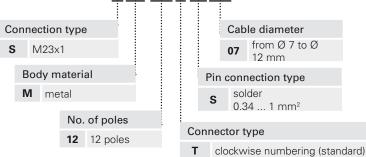
Article Description VF AC2205 Nut fastener



M23 connector nut fastener, article: VF CBSM12DS07. Required for opening and wiring the connector.

Code structure

VF CBSM12TS07



Stock items VF CBSM12TS07

Items with code on **green** background are stock items

Wiretrap cable glands

10 pcs. packs

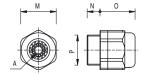


The design of this cable gland improves the retention forces of the wires. Each type of cable gland accepts a wide range of cable diameters.

Only fit for circular cables.

Technical data:

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)



	Article	Description	Α	Ом	N	0	Р
	VF PAM25C7N	M25x1.5 cable gland for one cable from Ø 10 17 mm	0	30	10	28	M25x1.5
	VF PAM20C6N	M20x1.5 cable gland for one cable from Ø 6 12 mm	0	24	9	24	M20x1.5
ic ds	VF PAM20C5N	M20x1.5 cable gland for one cable from Ø 5 10 mm	0	24	9	24	M20x1.5
Metric threads	VF PAM20C3N	M20x1.5 cable gland for one cable from Ø 3 7 mm	0	24	9	24	M20x1.5
≥ ‡	VF PAM16C5N	M16x1.5 cable gland for one cable from Ø 5 10 mm	0	22	7.5	23	M16x1.5
	VF PAM16C4N	M16x1.5 cable gland for one cable from Ø 4 8 mm	0	22	7.5	23	M16x1.5
	VF PAM16C3N	M16x1.5 cable gland for one cable from Ø 3 7 mm	0	22	7.5	23	M16x1.5
	VF PAP13C6N	PG 13.5 cable gland for one cable from Ø 6 12 mm	\circ	24	9	24	PG 13.5
	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
F P	VF PAP11C5N	PG 11 cable gland for one cable from \varnothing 5 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
40	VF PAM20CBN	M20x1.5 multi hole cable gland for 2 cables from Ø 3 \dots 5 mm	θ	24	9	23	M20x1.5
tric	VF PAM20CDN	M20x1.5 multi hole cable gland for 3 cables from Ø 1 \dots 4 mm	8	24	9	23	M20x1.5
Metric threads	VF PAM20CEN	M20x1.5 multi hole cable gland for 3 cables from Ø 3 \dots 5 mm	8	24	9	23	M20x1.5
-	VF PAM20CFN	M20x1.5 multi hole cable gland for 4 cables from Ø 1 4 mm	⊗	24	9	23	M20x1.5

Thread adapters 100 pcs. packs



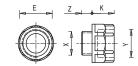
Thread adapters make it possible to fulfil requests for switches with a different thread to those generally found in stock. This means it is possible to offer customers a single product type with various threaded connections, while only having to stock the product itself and many kinds of adapters.

Technical data:

Body material:

reinforced technopolymer with glass fibre

Tightening torque: 3 ... 4 Nm



Article	Description	X	Υ	Z	K	⊘ E
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 100 pcs. packs



Technical data: Body material:

Protection degree: Tightening torque:

technopolymer IP67 acc. to EN 60529 from 1.2 to 1.6 Nm (PG13.5 / M20) 1 ... 1.4 Nm (PG11 / M16)





Article	Description	А	В
VF PTM20	Protection cap M20x1,5	25	M20x1.5
VF PTM16	Protection cap M16x1,5	23	M16x1.5
VF PTG13,5	Protection cap PG13,5	25	PG 13.5
VF PTG11	Protection cap PG11	23	PG 11

All measures in the drawings are in mm

Items with code on **green** background are stock items

Plastic nuts, threaded

100 pcs. packs



Technical data:

Body material: technopolymer Tightening torque: 1.2 ... 2 Nm





Article	Description	S	СН	Р
VF DFPM25	Plastic nut, threaded, M25x1.5	6	32	M25×1.5
VF DFPM20	Plastic nut, threaded, M20x1.5	6	27	M20×1.5
VF DFPM16	Plastic nut, threaded, M16x1.5	5	22	M16x1.5
VF DFPP13	Plastic nut, threaded, PG13.5	6	27	PG 13.5

Chock plugs 100 pcs. packs



Technical data:

Body material: technopolymer
Protection degree: IP54 acc. to EN 60529
Tightening torque: 0.8 ... 1 Nm





Notes: Use a socket wrench for tightening.

Article	Description	Α	В
VF PFM20C8N	Cable gland cap for Ø 8 Ø 12 mm cable, threaded M20x1.5	7.5	M20x1.5
VF PFM20C4N	Cable gland cap for Ø 4 Ø 8 mm cable, threaded M20x1.5	3.5	M20x1.5

Safety screws Torx

10 pcs. packs



Pan head screws with Torx fitting and pin, stainless steel.

Where required for applications conforming to EN ISO 14119 use a thread

Article	Description
VF VAM4X10BX-X	M4x10 screw, with Torx T20 fitting, AISI 304
VF VAM4X15BX-X	M4x15 screw, with Torx T20 fitting, AISI 304
VF VAM4X20BX-X	M4x20 screw, with Torx T20 fitting, AISI 304
VF VAM4X25BX-X	M4x25 screw, with Torx T20 fitting, AISI 304
VF VAM5X10BX-X	M5x10 screw, with Torx T25 fitting, AISI 304
VF VAM5X15BX-X	M5x15 screw, with Torx T25 fitting, AISI 304
VF VAM5X20BX-X	M5x20 screw, with Torx T25 fitting, AISI 304
VF VAM5X25BX-X	M5x25 screw, with Torx T25 fitting, AISI 304

Safety screws One-Way

10 pcs. packs



Pan head screws with OneWay fitting in stainless steel.

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

Article	Description
VF VAM4X10BW-X	M4x10 screw, with OneWay fitting, AISI 304
VF VAM4X15BW-X	M4x15 screw, with OneWay fitting, AISI 304
VF VAM4X20BW-X	M4x20 screw, with OneWay fitting, AISI 304
VF VAM4X25BW-X	M4x25 screw, with OneWay fitting, AISI 304
VF VAM5X10BW-X	M5x10 screw, with OneWay fitting, AISI 304
VF VAM5X15BW-X	M5x15 screw, with OneWay fitting, AISI 304
VF VAM5X20BW-X	M5x20 screw, with OneWay fitting, AISI 304
VF VAM5X25BW-X	M5x25 screw, with OneWay fitting, AISI 304

Bits for Torx safety screws



Bits for Torx safety screws with pin with 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

Fixing plates



Metal fixing plate, designed to fix rope switches on the ceiling.

The plate is provided with many fixing holes suitable for all series of switches. 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 the adjustment of the operating point.

Every plate has a double couple of fixing holes, one for standard switches and the other one for switches with reset device. In this way the actuator will always have the same actuating point.

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

Indicator lights 5 pcs. packs



These indicator lights are used for visualizing a change of the state of an electric contact inside the switch. They can be installed only on series FL, FX, FZ, FW, FG or FS switches by screwing them on one of the conduit entries not used for electric cables, and they can have many different functions: for example, combined with a rope switch (e.g. FL 1878-M2) they can indicate (also in the distance) if the switch has been actuated.

Otherwise, combined with safety switches with separate actuator (e.g. FL 693-M2), they can indicate if the protection is closed correctly or not. Combined with a safety switch with solenoid (FS or FG series), they can indicate if the protection is locked or unlocked. Combined with any switch of FL, FX,, FW or FZ series they can be used to calibrate the actuator. The light indicators are decomposable in two parts for bulb replacement without removing the lamp holder from the switch, and their inner part can rotate in such a way that it can be wired and screwed on the switch without any risk of kinking the wires.

Technical data:

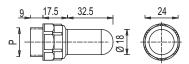
Max. operating voltage Ui: 250 Vac/dc Rated impulse withstand voltage (U_{imp}): 4 kV Bulb max. power: 3 W

Protection degree: IP67 acc. to EN 60529

Bulb connection: BA9

Cable cross-section: min. 0.5 mm² max. 1.5 mm²

Ambient temperature: -25°C ... +40°C
Tightening torque: 3 ... 4 Nm



Code structure

D !! .

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

VF ILI024GM

виів туре	
1	incandescence
X	without bulb
Bulb voltage	

Bulb voltage		
024	24 Vac/dc ±10%	
110	110 Vac/dc ±10%	
220	220 Vac/dc ±10%	
000	without bulb	

Thread (P)		
Tilledu (F)		
M	M20 x 1.5 (standard)	
P	PG 13.5	
Р	PG 13.5	

Cover colour	
G	yellow
R	red
V	green
W	white

VF ILI024GM
VF ILI024RM
VF ILI024VM
VF ILX000GM
VF ILX000RM
VF ILX000VM

Stock items

Items with code on green background are stock items

The 2D and 3D files are available at www.pizzato.com