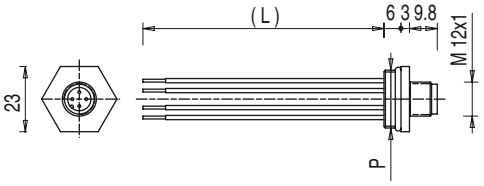
M12 male wired connectors



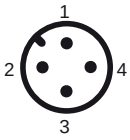
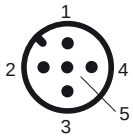
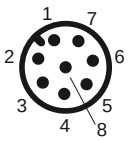
These standard male M12 connectors are ready for the installation on the switches.
Their wires have the right length for the connection to the contact blocks and are provided with terminal pins. On request they can be delivered already wired to the switch. The connectors are used where a very short machine down time is critical (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 poles)
Max operating current:	4 A (4-5 poles) 2 A (8 poles)
Protection degree:	IP68
Ambient temperature:	from -25°C to +80°C
Driving torque:	from 1 to 1,5 Nm
Conductors cross section:	0,5 mm² (20 AWG) for 4 and 5 poles 0,25 mm² (24 AWG) for 8 poles
Kind of contact:	gold plated

Wires configuration of male connector

4 poles	5 poles	8 poles
		

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

How to order

VF CNM5PM-L100

Body material

M	metal
P	plastic

Number of poles

4	4 poles
5	5 poles
8	8 poles

Thread type

M	M12x1

Connector thread

P	PG 13,5
M	M20 x 1,5

Cable length (L)

	8,5 cm (standard)
L100	100 cm
L200	200 cm

Items available in stock

VF CNM5PM
VF CNP4PM

ATTENTION: always cut off the power supply before disconnecting the connector. The connector is not suitable to open electrical circuits.

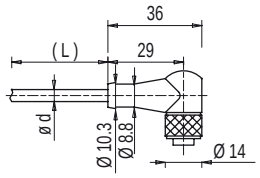
Items with code on the **green** background are available in stock

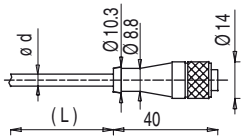
All measures in the drawings are in mm

M12 female wired connectors



General data:
- Self locking ring nut
- High flexibility wire suitable to be used in movable chains
- Class 6 rated copper of the wire according VDE 0295
- Gold plated contact (resistance < 5 mΩ)
- Polyurethane connector body



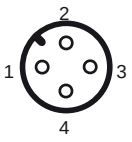
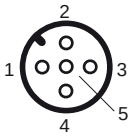
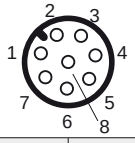


ø d: 5 mm for 4 and 5 poles
6 mm for 8 poles

Technical data:

Max operating voltage:	250 VAC / 300 VDC (4-5 poles) 30 VAC / 36 VDC (8 poles)
Max operating current:	4 A (4-5 poles) 2 A (8 poles)
Protection degree:	IP68
Ambient temperature:	from -25°C to +90°C for fixed laying from -15°C to +90°C for dynamic lying
Conductors cross section:	0,34 mm² (22 AWG) for 4 poles 0,25 mm² (24 AWG) for 5 and 8 poles
Minimal bending radius:	> cable diameter x 10

Wires configuration of female connector

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

How to order

VF CA4PD3M

Number of poles

4	4 poles
5	5 poles
8	8 poles

Sheath covering

P	PVC (standard)
U	PUR
E	PVC CEI 20-22 II

Type of connector

D	straight (standard)
G	elbow

Thread type

M	M12x1

Cable length (L)

1	1 meter
2	2 meters
3	3 meters (standard)
4	4 meters
5	5 meters (standard)
...	
0	10 meters

Other length available on request

Items available in stock

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

Attention! Items not available in stock, minimum order quantity 300 pcs

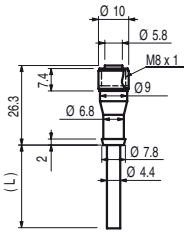
Items with code on the **green** background are available in stock

M8 female wired connectors



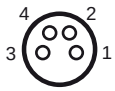
Technical data:

Max operating voltage:	60 VAC / 75 VDC
Max operating current:	4 A
Protection degree:	IP68
Ambient temperature:	from -25°C to +90°C for fixed laying from -15°C to +90°C for dynamic lying
Conductors cross section:	0,25 mm² (24 AWG)
Minimal bending radius:	> cable diameter x 10



Wires configuration of female connector

4 poles



Pin	Colour
1	Blue
2	Black
3	White
4	Brown

How to order

VF CA4PD3K

Number of poles
- **4** 4 poles

Sheath covering
- **P** PVC (standard)
- **U** PUR
- **E** PVC CEI 20-22 II

Type of connector
- **D** straight (standard)
- **G** elbow

Thread type
- **K** M8x1

Cable length (L)
- **1** 1 meter
- **2** 2 meters
- **3** 3 meters (standard)
- **4** 4 meters
- **5** 5 meters (standard)
- **...**
- **0** 10 meters

Other length available on request

Items available in stock

VF CA4PD3K
VF CA4PD5K

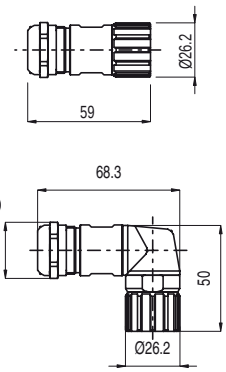
Attention! Items not available in stock, minimum order quantity 300 pcs

M23 female connectors with 12 poles without cable



Technical data:

Housing:	metal made, nickel plated
Max operating voltage:	300 VAC
Dielectric strength:	2500 VAC for one minute
Max operating current:	8 A
Protection degree:	IP67
Ambient temperature:	from -25°C to +80°C
Driving torque:	from 1 to 1,5 Nm
Kind of contact:	gold plated (resistance < 3 mΩ)
Pollution degree:	3
Connection cycles:	> 1000



Pin configuration of female connector without cable

12 poles



Items available in stock

VF CBSM12DS07

How to order

VF CBSM12DS07

Thread type
- **S** M23x1

Body material
- **M** metal

Number of poles
- **12** 12 poles

Type of connector
- **D** straight
- **G** elbow

Pin connection
- **S** solder connection from 0.34 to 1 mm²

Cables range
- **07** from Ø 7 to Ø 12 mm

Items with code on the **green** background are available in stock

All measures in the drawings are in mm

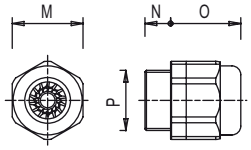
Wiretrap cable glands

10 pcs packs



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

Technical data:
Body and nut material: halogen free polymer
Protection degree: IP67
Driving torque: from 3 to 4 Nm



Article	Description	⬡M	N	O	P
VF PAP13C6N	Cable glands PG 13,5 for Ø 6 to Ø 12 mm cables range	24	9	24	PG 13,5
VF PAM20C6N	Cable glands M20x1,5 for Ø 6 to Ø 12 mm cables range	24	9	24	M20x1,5
VF PAP13C3N	Cable glands PG 13,5 for Ø 3 to Ø 7 mm cables range	24	9	24	PG 13,5
VF PAM20C3N	Cable glands M20x1,5 for Ø 3 to Ø 7 mm cables range	24	9	24	M20x1,5
VF PAP11C5N	Cable glands PG 11 for Ø 5 to Ø 10 mm cables range	22	7,5	23	PG 11
VF PAM16C5N	Cable glands M16x1,5 for Ø 5 to Ø 10 mm cables range	22	7,5	23	M16x1,5
VF PAP11C3N	Cable glands PG 11 for Ø 3 to Ø 7 mm cables range	22	7,5	23	PG 11
VF PAM16C3N	Cable glands M16x1,5 for Ø 3 to Ø 7 mm cables range	22	7,5	23	M16x1,5

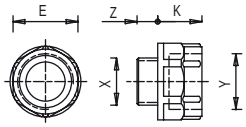
Thread adapters

100 pcs packs



With these adapters it is possible to offer to the customers the same product with different threaded cable entries, while only having to stock a single product and many kinds of adapters.

Technical data:
Body material: glass-reinforced polymer resin
Driving torque: from 3 to 4 Nm



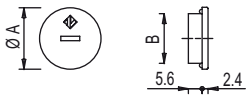
Article	Description	X	Y	Z	K	⬡E
VF ADPG13-PG11	Adapter from PG 13,5 to PG 11	PG 13,5	PG 11	9	12	22
VF ADPG13-M20	Adapter from PG 13,5 to M20x1,5	PG 13,5	M20x1,5	9	14	24
VF ADPG13-1/2NPT	Adapter from PG 13,5 to 1/2 NPT	PG 13,5	1/2 NPT	9	14	24
VF ADPG11-1/2NPT	Adapter from PG 11 to 1/2 NPT	PG 11	1/2 NPT	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 plugs

100 pcs packs



Technical data:
Body material: halogen free polymer
Protection degree: IP67
Driving torque: from 1,2 to 2 Nm



Article	Description	A	B
VF PTG13,5	Protection plug PG13,5	25	PG 13,5
VF PTM20	Protection plug M20x1,5	25	M20x1,5
VF PTG11	Protection plug PG11	23	PG 11
VF PTM16	Protection plug M16x1,5	23	M16x1,5

Items with code on the **green** background are available in stock

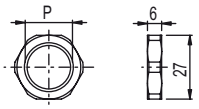
Plastic threaded nuts

100 pcs packs



Technical data:

Body material:	glass-reinforced polymer resin
Driving torque:	from 1,2 to 2 Nm



Article	Description	P
VF DFPP13	Plastic threaded nut PG13,5	PG 13,5
VF DFPM20	Plastic threaded nut M20x1,5	M20x1,5

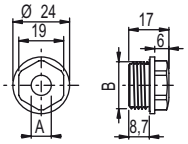
Chock plugs

100 pcs packs



Technical data:

Body material:	halogen free polymer
Protection degree:	IP40
Driving torque:	1 Nm



Article	Description	A	B
VF PFM20C8N	Chock plug for cable from Ø 8 to Ø 9 mm, threaded M20	7,5	M20x1,5

Plastic fixing plates



Fixing plate (complete with fastening screws) provided with long slots for the adjustment of the actuating 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)

Metal fixing plates



Metal fixing plate, designed to fix rope switches on ceiling. The plate is provided with many fixing holes suitable for all switches series. It is supplied without screws.

Article	Description
VF SFP2	Fixing plates for ceiling installations

Items with code on the **green** background are available in stock

All measures in the drawings are in mm

Light indicators

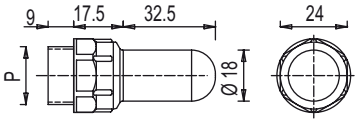
5 pcs packs



These light indicators 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 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) 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), 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, 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:	250 VAC/DC
Max lamp power:	3 W
Protection degree:	IP67
Lamp coupling:	BA9
Cable cross section:	min. 0,5 mm²
	max 1,5 mm²
Ambient temperature:	from -25°C to +40°C
Driving torque:	from 3 to 4 Nm





How to order

VF ILI024GP

Kind of lamp		Threaded coupling (P)	
I	incandescence	**P**	PG 13,5
X	without lamp	**M**	M20 x 1,5

Supply voltage		Lamp cover colour	
024	24 VAC/DC ±10%	**G**	Yellow
110	110 VAC/DC ±10%	**R**	Red
220	220 VAC/DC ±10%	**V**	Green
000	without lamp	**T**	Transparent

Items available in stock

VF ILI024GP
VF ILI024RP
VF ILI024VP
VF ILI024TP
VF ILX000GP
VF ILX000RP
VF ILX000VP
VF ILX000TP

Items with code on the **green** background are available in stock