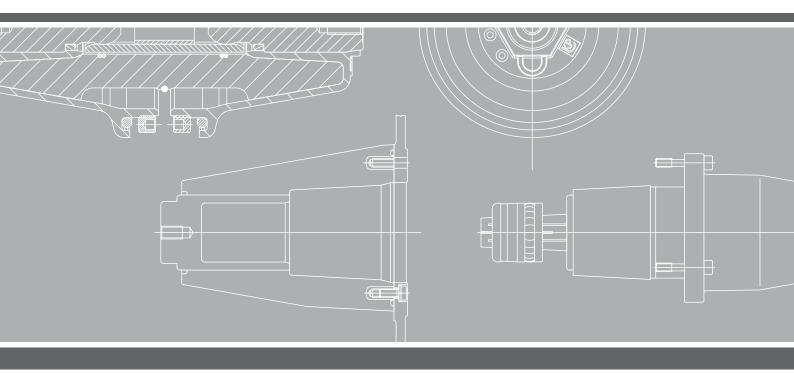
PFISTERER



EDITION 2014

CABLE SYSTEMS

Cable fittings for medium voltage networks

THE POWER CONNECTION



Cable Fittings for Medium Voltage Networks.

Our range of cable accessories offers solutions for virtually all applications in the area of medium voltage engineering. All accessories use silicone rubber as insulating medium because of its outstanding properties. We offer components and complete systems.

MV-CONNEX. A Dry, Separable Connector System for Medium Voltage Networks.

CONNEX meets all your requirements to an universal system of separable connectors: fully insulated with metal housing and providing touch-proof properties. It is maintenance-free, suitable for outdoor use and waterproof. This means MV-CONNEX can be used even in the most extreme conditions.

MV-CONNEX for medium voltage systems comes in a wide range of variations. It includes traditional plug and socket combinations, multiple sockets, bus-bar connectors, surge arresters and voltage detecting systems. MV-CONNEX components are factory tested and are surprisingly simple to install. Complex oil and gas work during installation and commissioning of transformers and switchgears are finally a thing of the past.









Silicone - a Key Material in Medium Voltage Engineering.

Water, dirt, grease and oil-resistant, completely maintenance-free, shock-resistant and unbreakable: silicone rubber is the perfect material for cable terminations and far superior to traditional materials such as porcelain. When used as a stress-relief device in sealed applications, silicone evens out temperature variations and unevenness in the cable surface

much better than harder materials such as EPDM do. Dangerous partial discharges caused by air gaps are safely avoided. PFISTERER makes silicone products primarily using advanced LSR (Liquid Silicone Rubber) designs; special variations are designed using RTV (Room-Temperature Vulcanizing Silicone).

Continuous voltage indicator for enclosed equipment.

With the increasing use of enclosed switchgear, voltage testing systems, that indicate the presence of voltage without directly contacting live parts, are becoming increasingly important. The principle of the DSA continuous voltage indicator that was

developed by us has become a standard. In line with the trend towards integrated systems we have incorporated these plug-in display devices in the compact DSA-i3 system.



MV-CONNEX up to 52 kV

The MV-CONNEX range is ideal for use in ring main units, circuit-breaker switchgear, high-voltage motors, transformers, capacitors, transducers and sealing boxes. The connectors on the equipment-side are designed to meet EN 50180, 50181, and DIN 47637. The plug is suitable for all kinds of insulated plastic cables. As well as a wide range of standard types there are also customer-specific versions for every cable type. The MV-CONNEX system features numerous variations: in addition to the standard plug and socket combination, there are many other versions for testing purposes and special applications.

Advantages

- no liquid insulating medium
- no need to open the cable termination at the installation site
- deckwater-proof
- suitable for outdoor use
- thorough transformer and GIS testing by manufacturer possible
- metal enclosed
- fully insulated
- touch proof
- free from arcing
- high short-circuit protection
- maintenance free
- soil- and offshore-proof (optional)

- A Contact system

 1 contact ring
 2 tension cone
 3 thrust piece

 B Insulating and field-control part

 C Housing
 4 bell flange
 5 pressure sleeve
 6 pressure spring
- D Socket

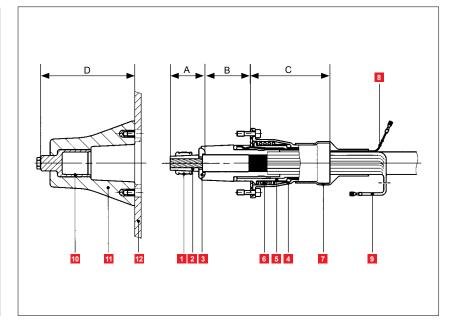
heat-shrink

g cable screen

10 female contact part

test lead (depends on design)

- insulating socket
- 12 housing



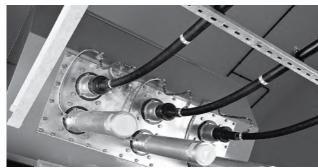
MV-CONNEX Multi-Contact Elbow Bushing up to 52 kV

Multi-contact elbow bushings are used instead of DIN-standard porcelain versions on the medium-voltage side of power transformers. They distribute the current over two or four cables, thus accommodating higher power loads using more manageable cable cross sections.



MV-CONNEX Surge Arrester up to 52 kV

CONNEX surge arresters are used to protect metal-enclosed switchgear fitted with cable terminations in accordance with EN 50180/EN 50181. The surge arresters are connected to the switchgear transformer and prevent the entry of excessively high surges. The surge arresters are particularly effective in limiting surges caused by reflected travelling waves and switching overvoltages.



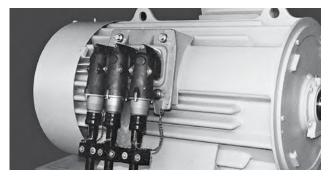
MV-CONNEX Busbar Connectors up to 42 kV

Busbar connectors facilitate the modular construction and on-site expansion of SF6 insulated switchgear, because the gas compartment does not have to be opened during installation. The range includes 24 kV to 42 kV versions.



CMA-MV-CONNEX Motor Connector up to 13,8 kV

The CMA-MV-CONNEX motor connector allows the quick and easy connection of high-voltage motors, with the connection area being fully metal-enclosed and intrinsically safe. The system is easily installed in place of the motor connection box.



Voltage Detecting Systems

The integrated capacitive potential point makes it easy to check the connection for the absence of voltage. The PFISTERER range includes mobile and stationary continuous voltage indicators, as well as phase comparators and performance testing equipment.





MV-CONNEX Separable Connectors, Size 0 - 3-S Technical Data and Size Classification List

- type tested in accordance to IEC 60 502-4:2005 / DIN VDE 0278-629-1:2006
- 1) If not required, the voltage tap must be earthed separately.
- 2) The min. and max. cross sections can only be achieved by maintaining the min. or max. diameter across the conductors and the min. or max. diameter across the insulation.
- ³⁾ The entire diameter range is covered by various components.

| Size | | | | 0 | | | 1 | | | 2 | | | 3 | | | 3-S | |
|---|----------------|-------|------|---------|------|------|---------|--------------|------|---------------|-----------------|------|---------------|-----------------|------|---------------|-----------------|
| Max. operating voltage | U _m | (kV) | | 24 | | | 36 | | | 42 | | | 42 | | | 52 | |
| Rated voltage | U | (kV) | | 20 | | | 30 | | | 36 | | | 36 | | | 45 | |
| Line-to-earth-voltage | U _o | (kV) | | 12 | | | 18 20,8 | | 20,8 | | | 26 | | | | | |
| Nominal current | I _n | (A) | | 250 | | | 630 | | | 800 | | | 1250 |) | | 1250 |) |
| Conductor | | | RM | RE | RF | RM | RE | RF | RM | RE | RF | RM | RE | RF | RM | RE | RF |
| Cross section | Min. | (mm²) | 25 | 35 | 16 | 25 | 70 | 16 | 25 | 70 | 16 | 35 | 95 | 25 | 35 | 95 | 25 |
| (Guide value) ²⁾ | Max. | (mm²) | 70 | 70 | 50 | 240 | 240 | 185 | 400 | 325 | 240 | 800 | 1000 | 400 | 800 | 1000 | 400 |
| Diameter | Min. | (mm) | 5,6 | 5,6 | 5,6 | 4,9 | 8,3 | 6,5 | 4,9 | 8,3 | 6,5 | 6,1 | 10,5 | 6,5 | 17,5 | 10,5 | 6,5 |
| (Set value)3) | Max. | (mm) | 11,9 | 11,9 | 11,9 | 20,1 | 20,1 | 18,3 | 24,1 | 22,0 | 20,6 | 36,0 | 36,0 | 26,8 | 36,0 | 36,0 | 26,8 |
| Voltage tap | | | , | without | | wi | th¹) | with- out | | :h¹)/ iout | without (XL) | | th¹)/ nout | without (XL) | | th¹)/ nout | without (XL) |
| Diameter of insulation ³⁾ after removing the outer semi-conducting layer | Min. | (mm) | | 12,7 | | 13 | 3,5 | 13,5 | 13 | 5,5 | 36,0 | 15 | 5,5 | 46,0 | 15 | 5,5 | 46,0 |
| | Max. | (mm) | | 23,5 | | 31 | ,5 | 36,0 | 36 | 5,0 | 44,0 | 46 | 5,0 | 55,0 | 46 | 5,0 | 55,0 |
| Rated AC voltage | 5 min. | (kV) | | 54 | | | 81 | | | 95 | | | 95 | | | 117 | |
| Partial discharge level at 2 x U ₀ | | (pC) | | ≤ 10 | | | ≤ 10 | | | ≤ 10 | 1 | | ≤ 10 | | | ≤ 10 | ı |
| Rated lightning impulse withstand voltage (BIL) | | (kV) | | 125 | | | 170 | | | 200 | | | 200 | | | 250 | |
| DC voltage test | 15 min. | (kV) | | 72 | | | 108 | | | 125 | | | 125 | | | 156 | |
| Rated short time | 1 s | (kA) | | 16 | | | 31,5 | | | 40 | | | 60 | | | 60 | |
| current | 3 s | (kA) | | - | | | 16 | | | 25 | | | 40 | | | 40 | |
| Rated impulse current | | (kA) | | 40 | | | 125 | | | 125 | | | 150 | | | 150 | |

Form to determine MV-CONNEX Cable Connectors

| Company: | | Name: | | | | | | |
|---|---------------------------|-------------------------|--------------------------|---|---------------------|--|--|--|
| Telephone: | | Date: | | | | | | |
| E-mail: | | Signature: | Signature: | | | | | |
| Cable manufacturer: | | Cable type: | | | | | | |
| cable connector: Size 0 | Size 1 Size 2 | Size 3 / 3-S | | | | | | |
| Cable Connectors) | | , , <u> </u> | resistant | ATEX/IECEX (only size 1 U _m = 11 | kV) | | | |
| ambient temperature, deepest tempe | | C ☐ - 25°C to - 50°C | | (only without voltage | е іар) | | | |
| Position of installation: vertical from | | | | | | | | |
| Capazitive voltage tap: yes ☐ n | 0 🗆 | | | | | | | |
| Voltages: U ₀ (phase-ear | th) kV U _n (ph | ase-phase) kV | U _m (max. ope | erating voltage 2 x L | J _o) kV | | | |
| Cable design: single core ca | ble three core cable | e [] | | | | | | |
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| | | | | | | | | |
| conductor | insulation conduct | ting layer cable screen | 1. armouring | 2. armouring | outer jacket | | | |
| Diameter (mm) | | | | | | | | |
| Cross Section (mm²) | | | | | | | | |
| Thickness (mm) | | | | | | | | |
| stranded circular RM 🗌 🏶 | | | Cu-wire | Cu-wire | PE 🗌 | | | |
| stranded sector SM 🗌 🏶 | | strip Cu-tape | Cu-tape | Cu-tape | PVC 🗌 | | | |
| solid circular RE | _ | phite Al-wire | Al-wire | Al-wire | | | | |
| solid sector SE 🗌 😭 | conducting | laver 🗌 | Al-tape □ | Al-tape □ | | | | |
| superflexible stranded RF 🗌 🌑 |) | Lead sheath | steel-wire | steel-wire | | | | |
| | | Cu-corr. sheath | steel-tape | steel-tape | | | | |
| | | Al-corr. sheath | Lead sheath \square | Lead sheath \Box | | | | |
| | | Fibre optic cable ☐ C | | Cu-corr. sheath | | | | |
| Remark: | | up to 3 earth braid 🗌 / | Al-corr. sheath | Al-corr. sheath | | | | |
| | | | | | | | | |
| | | <u> </u> | Inner sheath \square | Inner sheath \Box | | | | |
| | | | | Inner sheath Filling compound | | | | |
| | | | | | | | | |
| | | | ing compound □I | Filling compound | | | | |



MV-CONNEX Separable Connectors, Size 0, $U_m = 24 \text{ kV}$, $I_N = 250 \text{ A}$

Standard article no.

- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)

| No. | Max. operating voltage | for cable cross section | for diameter over conductor | Insulation thickness (no- minal value) | for diameter over XLPE insulation |
|--------------------------|------------------------------|----------------------------|-----------------------------|--|---|
| without vol- tage tap | U _m (kV) | (mm²) | (mm) | (mm) | Ø (mm) |
| 870 010 025 | 12 | 25 | 5.6 - 6.5 | 3.5 | 12.7 - 16.3 |
| 870 010 035 | 12 | 35 | 6.6 - 7.5 | 3.4 | 12.7 - 16.3 |
| 870 010 050 | 12 | 50 | 7.7 - 8.6 | 3.4 | 15.0 - 19.2 |
| 870 010 070 | 12 | 70 | 9.3 - 10.2 | 3.4 | 15.0 - 19.2 |
| 870 020 025 | 24 | 25 | 5.6 - 6.5 | 5.5 | 15.0 - 19.2 |
| 870 020 035 | 24 | 35 | 6.6 - 7.5 | 5.5 | 18.0 - 21.7 |
| 870 020 050 | 24 | 50 | 7.7 - 8.6 | 5.5 | 18.0 - 21.7 |
| 870 020 070 | 24 | 70 | 9.3 - 10.2 | 5.5 | 20.0 - 23.5 |

MV-CONNEX Separable Connectors, Size 1, $U_m = 36 \text{ kV}$, $I_N = 630 \text{ A}$

Standard article no.

- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- offshore version on request (see page 17: product configurator)
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)

The picture shows MV-CONNEX separable connector without voltage tap

| No. | No. | Max. operating voltage | for cable cross section | for diameter over conductor | Insulation thickness (nominal value) | for diameter over XLPE insulation |
|------------------|------------------------|------------------------------|-------------------------------|-----------------------------------|---|---|
| with voltage tap | without voltage tap | U _m (kV) | (mm²) | (mm) | (mm) | Ø (mm) |
| 850 110 035 | 870 110 035 | 12 | 35 | 6.0 - 7.3 | 3.4 | 13.5 - 17.5 |
| 850 110 050 | 870 110 050 | 12 | 50 | 7.5 - 8.8 | 3.4 | 13.5 - 17.5 |
| 850 110 070 | 870 110 070 | 12 | 70 | 9.3 - 10.6 | 3.4 | 16.0 - 19.5 |
| 850 110 095 | 870 110 095 | 12 | 95 | 10.8 - 12.1 | 3.4 | 18.0 - 21.5 |
| 850 110 120 | 870 110 120 | 12 | 120 | 12.3 - 13.6 | 3.4 | 18.0 - 21.5 |
| 850 110 150 | 870 110 150 | 12 | 150 | 13.8 - 15.1 | 3.4 | 20.0 - 23.5 |
| 850 110 185 | 870 110 185 | 12 | 185 | 15.3 - 16.6 | 3.4 | 22.0 - 25.5 |
| 850 110 240 | 870 110 240 | 12 | 240 | 17.8 - 19.1 | 3.4 | 25.0 - 28.5 |
| 850 120 035 | 870 120 035 | 24 | 35 | 6.0 - 7.3 | 5.5 | 18.0 - 21.5 |
| 850 120 050 | 870 120 050 | 24 | 50 | 7.5 - 8.8 | 5.5 | 18.0 - 21.5 |
| 850 120 070 | 870 120 070 | 24 | 70 | 9.3 - 10.6 | 5.5 | 20.0 - 23.5 |
| 850 120 095 | 870 120 095 | 24 | 95 | 10.8 - 12.1 | 5.5 | 22.0 - 25.5 |
| 850 120 120 | 870 120 120 | 24 | 120 | 12.3 - 13.6 | 5.5 | 23.5 - 27.0 |
| 850 120 150 | 870 120 150 | 24 | 150 | 13.8 - 15.1 | 5.5 | 25.0 - 28.5 |
| 850 120 185 | 870 120 185 | 24 | 185 | 15.3 - 16.6 | 5.5 | 26.5 - 30.0 |
| 850 120 240 | 870 120 240 | 24 | 240 | 17.8 - 19.1 | 5.5 | 28.0 - 31.5 |
| 850 130 050 | 870 130 050 | 36 | 50 | 7.5 - 8.8 | 8.0 | 23.5 - 27.0 |
| 850 130 070 | 870 130 070 | 36 | 70 | 9.3 - 10.6 | 8.0 | 25.0 - 28.5 |
| 850 130 095 | 870 130 095 | 36 | 95 | 10.8 - 12.1 | 8.0 | 26.5 - 30.0 |
| 850 130 120 | 870 130 120 | 36 | 120 | 12.3 - 13.6 | 8.0 | 28.0 - 31.5 |
| - | 870 130 150 | 36 | 150 | 13.8 - 15.1 | 8.0 | 30.0 - 33.5 |
| - | 870 130 185 | 36 | 185 | 15.3 - 16.6 | 8.0 | 31.0 - 34.5 |





MV-CONNEX Separable Connectors, Size 2, $U_m = 42 \text{ kV}$, $I_N = 800 \text{ A}$

Standard article no.

- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- offshore version on request (see page 17: product configurator)
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)
- rotatable flange

The picture shows MV-CONNEX separable connector with voltage tap.

| No. | No. | Max. operating voltage | for cable cross section | for diameter over conductor | Insulation thickness (nominal value) | for diameter Rem. over XLPE insulation |
|---------------------|------------------------|------------------------------|-------------------------------|-----------------------------------|---|--|
| with voltage tap | without voltage tap | U _m (kV) | (mm²) | (mm) | (mm) | Ø (mm) |
| 850 210 050 | 870 210 050 | 12 | 50 | 7.5 - 8.8 | 3.4 | 13.5 - 17.5 |
| 850 210 070 | 870 210 070 | 12 | 70 | 9.3 - 10.6 | 3.4 | 16.0 - 19.5 |
| 850 210 095 | 870 210 095 | 12 | 95 | 10.8 - 12.1 | 3.4 | 18.0 - 21.5 |
| 850 210 120 | 870 210 120 | 12 | 120 | 12.3 - 13.6 | 3.4 | 18.0 - 21.5 |
| 850 210 150 | 870 210 150 | 12 | 150 | 13.8 - 15.1 | 3.4 | 20.0 - 23.5 |
| 850 210 185 | 870 210 185 | 12 | 185 | 15.3 - 16.6 | 3.4 | 22.0 - 25.5 |
| 850 210 240 | 870 210 240 | 12 | 240 | 17.8 - 19.1 | 3.4 | 25.0 - 28.5 |
| 850 210 300 | 870 210 300 | 12 | 300 | 19.2 - 20.9 | 3.4 | 26.5 - 30.0 |
| 850 220 050 | 870 220 050 | 24 | 50 | 7.5 - 8.8 | 5.5 | 18.0 - 21.5 |
| 850 220 070 | 870 220 070 | 24 | 70 | 9.3 - 10.6 | 5.5 | 20.0 - 23.5 |
| 850 220 095 | 870 220 095 | 24 | 95 | 10.8 - 12.1 | 5.5 | 22.0 - 25.5 |
| 850 220 120 | 870 220 120 | 24 | 120 | 12.3 - 13.6 | 5.5 | 23.5 - 27.0 |
| 850 220 150 | 870 220 150 | 24 | 150 | 13.8 - 15.1 | 5.5 | 25.0 - 28.5 |
| 850 220 185 | 870 220 185 | 24 | 185 | 15.3 - 16.6 | 5.5 | 26.5 - 30.0 |
| 850 220 240 | 870 220 240 | 24 | 240 | 17.8 - 19.1 | 5.5 | 28.0 - 31.5 |
| 850 220 300 | 870 220 300 | 24 | 300 | 19.2 - 20.9 | 5.5 | 31.0 - 34.5 |
| 850 230 035 | 870 230 035 | 36 | 35 | 6.0 - 7.3 | 8.0 | 16.0 - 19.5 |
| 850 230 050 | 870 230 050 | 36 | 50 | 7.5 - 8.8 | 8.0 | 23.5 - 27.0 |
| 850 230 070 | 870 230 070 | 36 | 70 | 9.3 - 10.6 | 8.0 | 25.0 - 28.5 |
| 850 230 095 | 870 230 095 | 36 | 95 | 10.8 - 12.1 | 8.0 | 26.5 - 30.0 |
| 850 230 120 | 870 230 120 | 36 | 120 | 12.3 - 13.6 | 8.0 | 28.0 - 31.5 |
| 850 230 150 | 870 230 150 | 36 | 150 | 13.8 - 15.1 | 8.0 | 29.5 - 33.0 |
| 850 230 185 | 870 230 185 | 36 | 185 | 15.3 - 16.6 | 8.0 | 31.0 - 34.5 |
| 850 230 240 | 870 230 240 | 36 | 240 | 17.8 - 19.1 | 8.0 | 32.5 - 36.0 |
| - | 870 235 300 | 36 | 300 | 19,7 - 21,4 | 8.0 | 36.0 - 38.5 (XL) |

MV-CONNEX Separable Connectors, Size 3, $U_m = 42 \text{ kV}$, $I_N = 1250 \text{ A}$

Standard article no.

- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- offshore version on request (see page 17: product configurator)
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)
- rotatable flange

The picture shows MV-CONNEX separable connector without voltage tap

| No. | No. | Max. operating voltage | for cable cross section | for diameter over conductor | Insulation thickness (nominal value) | for diameter over XLPE insulation | Rem. |
|---------------------|------------------------|------------------------------|-------------------------------|-----------------------------------|---|---|------|
| with voltage tap | without voltage tap | U _m (kV) | (mm²) | (mm) | (mm) | Ø (mm) | |
| 850 310 800 | 870 310 120 | 12 | 120 | 12.5 - 14.7 | 3.4 | 19.0 - 23.0 | |
| 850 310 150 | 870 310 150 | 12 | 150 | 13.5 - 15.7 | 3.4 | 19.0 - 23.0 | |
| 850 310 185 | 870 310 185 | 12 | 185 | 15.0 - 17.2 | 3.4 | 22.5 - 26.5 | |
| 850 310 240 | 870 310 240 | 12 | 240 | 17.5 - 19.7 | 3.4 | 24.5 - 28.5 | |
| 850 310 300 | 870 310 300 | 12 | 300 | 19.5 - 21.7 | 3.4 | 26.0 - 30.0 | |
| 850 310 400 | 870 310 400 | 12 | 400 | 22.6 - 24.8 | 3.4 | 30.0 - 34.0 | |
| 850 310 500 | 870 310 500 | 12 | 500 | 25.4 - 27.6 | 3.4 | 32.0 - 36.0 | |
| 850 310 630 | 870 310 630 | 12 | 630 | 28.9 - 31.1 | 3.4 | 36.0 - 39.5 | |
| 850 320 050 | 870 320 050 | 24 | 50 | 7.2 - 9.4 | 5.5 | 19.0 - 23.0 | |
| 850 320 070 | 870 320 070 | 24 | 70 | 9.0 - 11.2 | 5.5 | 19.0 - 23.0 | |
| 850 320 095 | 870 320 095 | 24 | 95 | 10.5 - 12.7 | 5.5 | 22.5 - 26.5 | |
| 850 320 120 | 870 320 120 | 24 | 120 | 12.5 - 14.7 | 5.5 | 22.5 - 26.5 | |
| 850 320 150 | 870 320 150 | 24 | 150 | 13.5 - 15.7 | 5.5 | 24.5 - 28.5 | |
| 850 320 185 | 870 320 185 | 24 | 185 | 15.0 - 17.2 | 5.5 | 26.0 - 30.0 | |
| 850 320 240 | 870 320 240 | 24 | 240 | 17.5 - 19.7 | 5.5 | 28.0 - 32.0 | |
| 850 320 300 | 870 320 300 | 24 | 300 | 19.5 - 21.7 | 5.5 | 30.0 - 34.0 | |
| 850 320 400 | 870 320 400 | 24 | 400 | 22.6 - 24.8 | 5.5 | 34.0 - 38.0 | |
| 850 320 500 | 870 320 500 | 24 | 500 | 25.4 - 27.6 | 5.5 | 36.0 - 39.5 | |
| 850 320 630 | 870 320 630 | 24 | 630 | 28.9 - 31.1 | 5.5 | 40.0 - 43.0 | |
| 850 330 050 | 870 330 050 | 36 | 50 | 7.2 - 9.4 | 8.0 | 22.5 - 26.5 | |
| 850 330 070 | 870 330 070 | 36 | 70 | 9.0 - 11.2 | 8.0 | 24.5 - 28.5 | |
| 850 330 095 | 870 330 095 | 36 | 95 | 10.5 - 12.7 | 8.0 | 26.0 - 30.0 | |
| 850 330 120 | 870 330 120 | 36 | 120 | 11.5 - 13.7 | 8.0 | 28.0 - 32.0 | |
| 850 330 150 | 870 330 150 | 36 | 150 | 13.5 - 15.7 | 8.0 | 30.0 - 34.0 | |
| 850 330 185 | 870 330 185 | 36 | 185 | 15.0 - 17.2 | 8.0 | 30.0 - 34.0 | |
| 850 330 240 | 870 330 240 | 36 | 240 | 17.5 - 19.7 | 8.0 | 34.0 - 38.0 | |
| 850 330 300 | 870 330 300 | 36 | 300 | 19.5 - 21.7 | 8.0 | 36.0 - 39.5 | |
| 850 330 400 | 870 330 400 | 36 | 400 | 22.6 - 24.8 | 8.0 | 38.0 - 41.0 | |
| 850 330 500 | 870 330 500 | 36 | 500 | 25.4 - 27.6 | 8.0 | 42.0 - 44.5 | |
| - | 870 335 630 | 36 | 630 | 28.9 - 31.1 | 8.0 | 44.5 - 47.0 | (XL) |
| - | 870 335 631 | 36 | 630 | 28,9 - 31,1 | 8,0 | 46.5 - 49.0 | (XL) |
| | | | | | | | |



Order Information

ATTENTION! Important information!

Special tools are required for the installation of the contact system of the MV-CONNEX separable connectors. Installation on round fine-wire conductors furthermore requires tools for round crimping sleeves on the RF conductor.

Only qualified personnel should work on or with the product. Qualified personnel includes employees who are able to evaluate the tasks assigned to them and to recognize possible dangers due to the technical training, skills, and experiences as well as knowledge of the relevant regulations. The qualified personnel can be trained and certified by PFISTERER or instructors authorized by PFISTERER on the installation of CONNEX separable connectors. The certificate is valid for 5 years.

For separable connectors with standard items, the selected operating voltage must match the maximum operating voltage of the DIN VDE cable because the operating voltage is correlated to the wall thickness of the insulating, based on which the matching insulating part assigned.

Due to the fact that the separable connector are intended for outdoor use in bushings instealled "vertically from the above", they must be installed with a sealing kit.

| For separable connectors s | size 2 *) | Sealing kit for plug and Dummy plug | Sealing kit for Surge Arrester and Protection Cap |
|--|------------------|---|--|
| with standard item no. (from page 14) | 1 set = 3 pieces | 559 218 002 | - |
| for replacement purposes | 1 piece | 559 218 012 | 559 218 111 |
| configured with the product configurator and the selected application range "outdoor vertically from above" in the form defining MV-CONNEX separable connector | | included | |

^{*)} in combination with sockets size 2 with item no. 827 104 005 or 827 104 205.

| For cable terminations hea | ds size 3 *) | Sealing kit for plug and Dummy plug | Sealing kit for Surge Arrester and Protection Cap |
|--|------------------|---|--|
| with standard item no. (from page 15) | 1 set = 3 pieces | 559 218 001 | - |
| for replacement purposes | 1 piece | 559 218 011 | 559 218 112 |
| configured with the product configurator and the selected application range "outdoor vertically from above" in the form defining MV-CONNEX separable connector | | included | |

^{*)} in combination with socket size 3 with item no. 827 110 012 bzw. 827 110 212.

The characteristics of separable connectors for offshore and underground applications can only be selected via the product configurator. To do so, select "Offshore" in the form defining MV-CONNEX separable connectors (see page 11).