MV-CONNEX 10 kV – 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

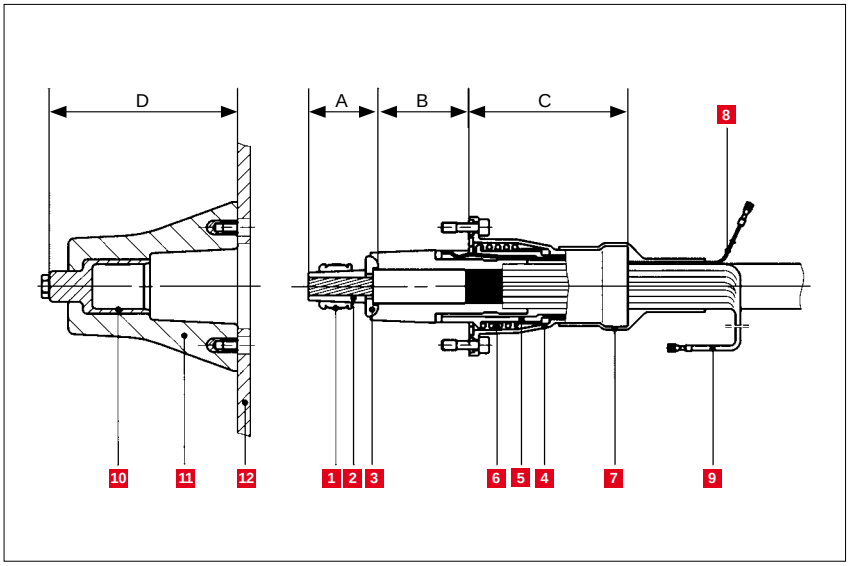
- no liquid insulating medium
- no need to open the cable termination at the installation site
- deckwater-proof
- suitable for outdoor use
- thorough transformer and GIS testing by manufacturer possible

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
7 heat-shrink
8 test lead (depends on design)
9 cable screen

D Bushing
10 female contact part
11 insulating bushing
12 housing



Test standard: DIN VDE 0278 Part 6 high-current design II		CONNEX cable connector system Size 0	1	2	3	3-S
Current rating	I_N (A)	250	630	800	1250	1250
Max. working voltage	U_m (kV)	24	36	42	42	52
AC voltage test	50 Hz/1 min (kV)	50	70	95	95	117
Nominal withstand lightning impulse voltage	1.2/50 µs (kV)	125	170	200	200	250
Partial discharg	2 x U_O (pC)	≤10	≤10	≤10	≤10	≤10
DC voltage test	15 min 6 x U_O (kV)	72	108	125	125	156
Rated short-time withstand current	0.5 sec (kA)	-	50	50	63	63
Rated short-time withstand current	1 sec (kA)	16	31.5	40	50	50
Nominal impulse current	(kA)	40	125	125	150	150

MV-CONNEX Multi-Contact Elbow Bushing 24 kV – 52 kV

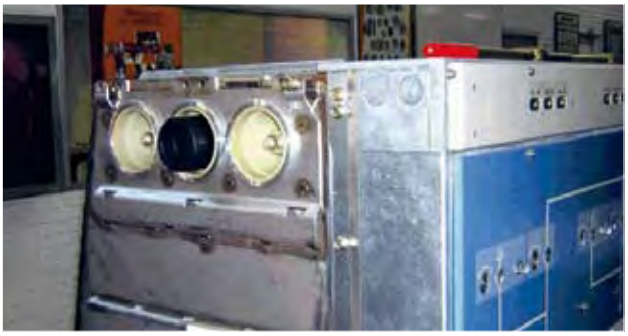
Multi-contact elbow bushings are used instead of DIN-standard porcelain versions on the medium-voltage side of power transformers. They distribute the current over two or four cables, thus accommodating higher power loads using more manageable cable cross sections.

MV-CONNEX Surge Arrester 6 kV – 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 24 kV – 42 kV

Busbar connectors facilitate the modular construction and on-site expansion of SF_6 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

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.

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077; Fax: +7 71133 93074; E-Mail: info@ibemo-kz.com; http://www.ibemo.kz