



PFISTERER

MV-CONNEX 10kV to 52kV

The MV-CONNEX range is typically used in ring main units, circuit breaker switchgear, high voltage motors, transformers, capacitors, transducers and sealing boxes. The plug is suitable for all kinds of insulated plastic cables. In addition to the standard plug and socket combination, there are many other versions for testing purposes and special applications.



CONNEX MV and HV Range Technical Data

SIZE	0	1	1	2	2	3	3	3S	3S	4	5S	6	6S
With Voltage Tap			■		■			■	■				
Max. Operating Voltage U_m (kV)	24	36	36	42	42	42	42	52	52	72.5	145	170	245
Nominal Current I_N (A)	250	630	630	800	800	1250	1250	1250	1250	2500	2500	2500	2500
Min. Cross Section (mm ²)	25	25	25	25	25	50	50	50	50	95	95	240	240
Min. Conductor \varnothing (mm)	5.6	4.9	4.9	4.9	4.9	7.2	7.2	7.2	7.2	9.3	9.3	15.3	15.3
Max. Cross Section (mm ²)	70	240	240	325*	325*	630*	630*	630*	630*	1600	1600	2000	2000
Max. Conductor \varnothing (mm)	11.9	20.1	20.1	22.3	22.3	34.6	34.6	34.6	34.6	50.4	50.4	58.4	58.4
Min. \varnothing Over Insulation (mm)	12.7	13.5	13.5	13.5	13.5	15.5	15.5	15.5	15.5	46.0	33.0	36.0	53.0
Max. \varnothing Over Insulation (mm)	23.5	36.0	31.5	40.0	36.0	50.0	46.0	46.0	50.0	71.0	76.0	110.0	110.0
Rated Power Frequency Withstand Voltage 50 Hz/5 min. (kV)	50	70	70	95	95	95	95	117	117	140	275	325	460
Rated Lightning Impulse 1,2/50 μ s (kV) Withstand Voltage	125	170	170	200	200	200	200	250	250	325	650	750	1050
Partial Discharge 2 x U_0 (pC)	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 2	≤ 2	≤ 2	≤ 2
D.C Voltage Test 15min 6x U_0 (kV)	72	108	108	125	125	125	125	156	156	144	304	348	508
Rated Short-time Withstand Current													
0,5 sec (kA)	-	50	50	50	50	63	63	63	63	63	63	63	63
1 sec (kA)	16	31.5	31.5	40	40	50	50	50	50	50	50	50	50
Rated impulse current (kA)	40	125	125	125	125	150	150	150	150	160	160	160	160

* bigger cable cross sections on request

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Other Pfisterer products available including HV-CONNEX, SICON mechanical connectors, etc.

To enable us to quote for your requirements, please provide your cable specification.

Installation tooling available for sale or hire.

