

LightningController Compact - MCF100

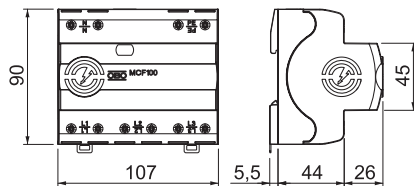


Combination arrester, lightning current and surge arrester, type 1+2

- Protection level < 1.5 kV
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 100 kA (10/350), 3+NPE
- Line following current quenching 50 kA I_{peak}, arrester backup fuse to 315 A gL/gG
- Fulfils the requirements of the VDEW directive and E VDE-AR-N 4100 for use in pre-meter area
- Encapsulated, non-extinguishing spark gap arrester for use in distributor housings

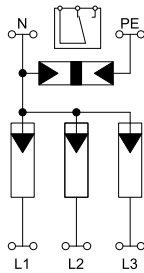
Application: Industrial systems and buildings with external lightning protection of the highest class I to IV.

Dimensions



Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF100-3+NPE+FS	255	3+N/PE	IP20	1	93,500	5096987

Connection options



MCF100-3+NPE+FS

SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
SPD to UL 1449	Type 4
Nominal voltage AC (50 / 60 Hz) V	U _n 230
Maximum continuous voltage AC V	U _c 255
Nominal discharge current (8/20 μs) kA	I _{n/L-N} 35
Maximum discharge current (8/20 μs) kA	I _{max} 50
Lightning surge current (10/350 μs) kA	I _{imp} 25
Total discharge current (10/350) kA	I _{total} 100
Arrester surge current (8/20 μs) [total] kA	I _{total} 100
Protection level [L-N] kV	U _p 1,5
Max. mains-side overcurrent protection	315
Short-circuit withstand for max. mains-side overcurrent protection	50 kA eff
Operating temperature range °C	T _u -40+80
Protection rating	IP20
Approvals	VDE
Cable cross-section, flexible (fine-wire) mm ²	1,5-35
Rigid cable cross-section (single wire/multiwire) mm ²	1,5-35
Cable cross-section, flexible (fine-wire) AWG	1,5-35
Rigid cable cross-section (single wire/multiwire) AWG	1,5-35