

Combination arrester, 3-pole + NPE with function display

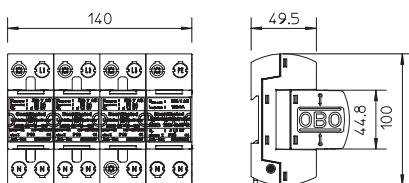


Combination arrester, type 1+2, 4-pole, with visual function display, for use in TN-S and TT networks.

Completely pre-terminated and ready for connection, consisting of:
 3 x MCD 50-B_OS: Type 1+2 (Class B) coordinated lightning current arrester EN 61643-11.
 1 x MCD 125-B/NPE: Coordinated N-PE spark gap, type 1+2 EN 61643-11 for use in TN-S and TT systems.
 Interface 0 to 1 according to lightning protection zone concept according to IEC 61312-1 and VDE 0185-305.

- Lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) in total
- Protection level < 1.7 kV allows device protection
- Short-circuit resistance 10 kA, arrester backup fuse to 500 A gL/gG
- Power consumption < 26 mW/pole
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gap

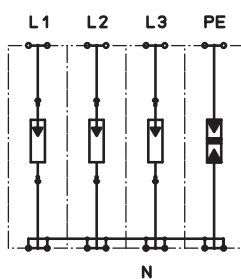
Dimensions



Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3+1-OS	255	3 + NPE	1	172,000	5096836

Connection options



MCD 50-B 3+1-OS

Nominal voltage V	U_N	230
Max. continuous operating voltage V	U_C	255
SPD to EN 61643-11		Type 1+2
SPD to IEC 61643-11		Class I+II
Lightning protection zone LPZ		0→2
Impulse discharge current (10/350) kA	I_{imp}	50
Total discharge current (10/350) kA	I_{total}	125
Nominal discharge current (8/20) kA	I_n	50
Arrester surge current (8/20) [total] kA	$I_{Total 8/20}$	125
Voltage protection level kV	U_p	< 1,7
Protection level (N-PE) kV		< 1,5
Response time ns	t_A	< 100
Follow current quenching capacity I _{eff} kA	$I_{n\ eff}$	10
Follow current quenching capacity (eff) [N-PE] kA	I_n	0,1
Maximum back-up fuse A		500
Temperature range °C	θ	-40+85
Division unit TE (17.5 mm)		8
Protection rating		IP20
Approvals		VDE
Connection cross-section rigid mm ²		10-50
Connection cross-section, multi-wire mm ²		10-35
Connection cross-section, flexible mm ²		10-25