

Combination arrester, 3-pole + NPE

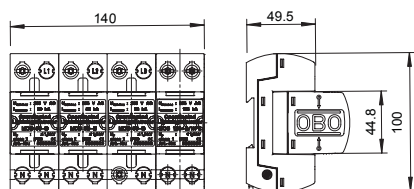


Combination arrester, lightning current arrester, type 1+2, 4-pole, for use in TT and TN-S networks.

Completely pre-terminated and ready for connection, consisting of:
3 x MCD 50-B: Coordinated lightning current arrester, type 1+2 to EN 61643-11 and
1 x MCD 125-B/NPE: Coordinated N-PE spark gap, type 1+2 to EN 61643-11. For inter-
face 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1
and/or 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
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gap

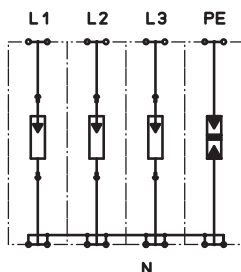
Dimensions



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

Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3+1	255	1	168,000	5096879

Connection options



MCD 50-B 3+1		
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