

Combination arrester, 3-pole with function display

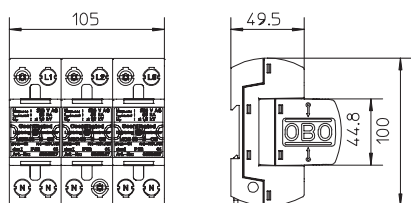


Combination arrester set, type 1+2, 3-pole, with visual function display, for use in TN-C networks:

Completely pre-terminated and ready for connection, consisting of:
3 x MCD 50-B-OS: Type 1+2 coordinated lightning current arrestors to DIN EN 61643-11. For interface 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 150 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 gaps

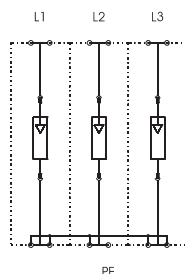
Dimensions



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

Type	Highest Version continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3-OS	255 3-pole	1	118,000	5096835

Connection options



MCD 50-B 3-OS

Nominal voltage V	U_N	230
SPD to EN 61643-11		—
SPD to IEC 61643-11		Type 1+2
Lightning protection zone LPZ		Class I+II
Impulse discharge current (10/350) kA	I_{imp}	0→2
Total discharge current (10/350) kA	I_{total}	50
Nominal discharge current (8/20) kA	I_n	150
Arrester surge current (8/20) [total] kA	$I_{total 8/20}$	50
Voltage protection level kV	U_p	150
Response time ns	t_A	< 1.7
Follow current quenching capacity leff kA	I_{eff}	< 100
Maximum back-up fuse A		10
Temperature range °C	ϑ	500
Division unit TE (17.5 mm)		-40+85
Protection rating		6
Approvals		IP20
Connection cross-section rigid mm ²		VDE
Connection cross-section, multi-wire mm ²		10-50
Connection cross-section, flexible mm ²		10-35
		10-25