

Combination arrester, 1-pole



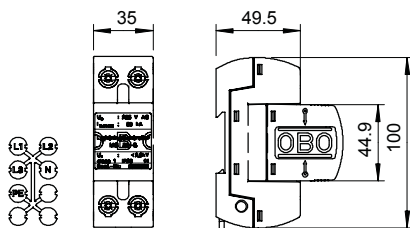
Combination arrester, lightning current arrester, type 1+2, for use in TN and TT networks

- 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
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gaps

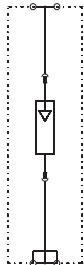
Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B	255	1-pole	1	34,400	5096849

Dimensions



Connection options



MCD 50-B

Nominal voltage V	U_N	230
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}	50
Nominal discharge current (8/20) kA	I_n	50
Arrester surge current (8/20) [total] kA	$I_{total 8/20}$	50
Voltage protection level kV	U_p	< 1.7
Response time ns	t_A	< 100
Follow current quenching capacity leff kA	I_{leff}	10
Maximum back-up fuse A		500
Temperature range °C	ϑ	-40+85
Division unit TE (17.5 mm)		2
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