

Technical data sheet

Coordinated LightningController - MCD50-B

Item number: 5096860



Coordinated lightning arrester, type 1 DIN EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/ or DIN VDE 0185-305 Part 4.

Lightning arrester type 1 for use in TN and TT networks.

- Arresting capacity 50 kA (10/350 µs) per pole
- Voltage protection level < 1.3 kV
- Line follow current quenching 10 kA I_{peak}
- Incl. plug caps for labelling the connections
- Encapsulated, non-extinguishing spark gap: can be used in standard distributor housings.

Application example: Compact surge protection concepts and installations in a distributor.



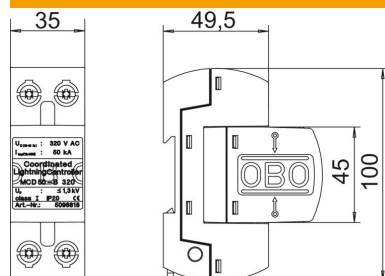
Master data		
Item number	5096860	
Type	MCD 50-B-320	
Description 1	CoordinatedLightningController	
Manufacturer	OBO	
Dimension	320V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	34.4 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	2,0623 kg CO2e / 1 Piece	

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Dimensions



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Arrester surge current (8/20 µs) [total]	50 kA
Response time	<100 ns
Blow-out	no
Pole version	1
Structural width in division units (division unit, 17.5 mm)	2
Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	50 kA
Lightning surge current (10/350)	50 kA
Remote signalling	no
Follow current quenching capacity I _{eff}	7
Maximum continuous voltage AC	320 V
Conductor cross-section, rigid (single-wire/multiwire), max.	50 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	500
Maximum back-up fuse	500 A
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	50 kA
Nominal voltage AC (50/60 Hz)	230 V
Test class, type 1	yes
Protection rating	IP20
Protection level	1,3
SPD to EN 61643-11	Type 1
SPD to IEC 61643-1	Class I
Permitted temperature range, max.	85 °C
Permitted temperature range, min.	-40 °C