

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 μ s) 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.

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Arrester surge current (8/20 μ s) [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 μ s)	50 kA
Lightning surge current (10/350)	50 kA
Remote signalling	no
Follow current quenching capacity (eff) [N-PE]	10 kA
Follow current quenching capacity left	7
Maximum continuous voltage AC	320
Short-circuit resistance	25 kA
Short-circuit resistance for max. mains-side overcurrent protection	25 kA
Conductor cross-section, rigid (single-wire/multiwire), max.	50 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm ²
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 μ s)	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