

Technical data sheet

Coordinated Lightning Controller MCD 50-B-OS-320



Item number: 5096861



Lightning arrester, type 1

- Voltage protection level < 1.3 kV, allows device protection
- For 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
- Line following current quenching 25 kA Ipeak, arrester backup fuse to 500 A gL/gG
- Encapsulated, non-extinguishing spark gap arrester for use in distributor housings

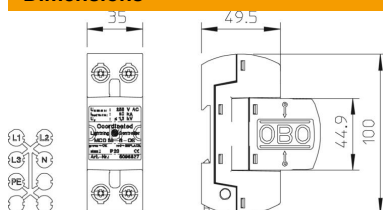
Application: Industrial systems and buildings with external lightning protection of the classes I to IV.



Master data

Item number	5096861
Type	MCD 50-B-OS-320
Description 1	Coordinated Lightning Controller
Description 2	with function display
Manufacturer	OBO
Dimension	320V
Smallest sales unit	1
Unit of quantity	Piece
Weight	34.8 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	2,0221 kg CO2e / 1 Piece

Dimensions



Length	100 mm
Width	35 mm
Height	69 mm

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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 kA
Maximum continuous voltage AC	320 V
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
Network form	TN-C
Test class, type 1	yes
Protection rating	IP20
Protection level	1,3 kV
Signalling on device	Visual
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