

Technical data sheet

Coordinated LightningController MCD 50-B-OS-320



Item no. 5096861



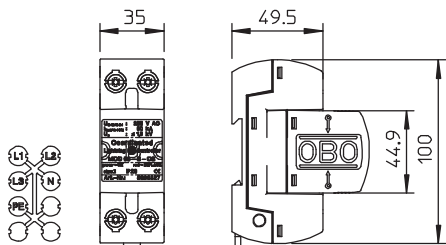
Lightning arrester, type 1

- 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 I_{peak}, 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.



Dimensions



Length	100,00 mm
Width	35,00 mm
Height	69,00 mm

Master data

Item no.	5096861
Type	MCD 50-B-OS-320
Description 1	Coordinated LightningController
Description 2	with function display
Dimension	320V
Smallest sales unit (VG)	1 Piece
Weight	34,80 kg/100 pc.

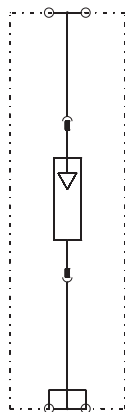
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SPD to EN 61643-11	Type 1
SPD to IEC 61643-11	Class I
Test class, type 1	☒
Nominal voltage	230,00 V
Maximum continuous voltage AC	320,00 V
Max. continuous operating voltage	320,00 V
Nominal discharge current (8/20)	50 kA
Impulse discharge current (10/350)	50,00 kA
Lightning surge current (10/350)	50,00 kA
Arrester surge current (8/20) [total]	50,00 kA
Protection level	1,3 kV
Follow current quenching capacity (eff) [N-PE]	10,00 kA
Follow current quenching capacity left	7,00 kA
Response time	<100 ns
Maximum back-up fuse	500,00 A
Temperature range	-40-+85 °C
Pole version	1
Version	1-pole
Mounting type	Hat rail 35 mm
Installation type	DIN rail 35 mm
Protection rating	IP20
Protection rating	IP 20
Blow-out	☐
Division unit TE (17.5 mm)	2
Remote signalling	☐
Telecommunications contact	☐
Connection cross-section, flexible	10,00 - 25,00 mm ²
Connection cross-section, rigid	10,00 - 50,00 mm ²
Connection cross-section, multi-wire	10,00 - 35,00 mm ²
Signalling on device	Visual