

# Technical data sheet

## Combination arrester, 1-pole

Item no. 5096849



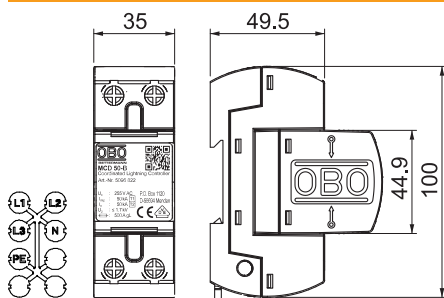
Combination arrester, type 1+2, for use in TN and TT networks

- 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
- Encapsulated, non-extinguishing spark gaps

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



### Dimensions



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

### Master data

Item no.	5096849
Type	MCD 50-B
Description 1	Coordinated Lightning Controller
Dimension	255V
Smallest sales unit (VG)	1,00 Piece
Weight	34,40 kg/100 pc.

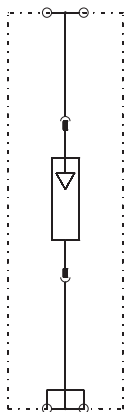
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### Technical data



SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Test class, type 1	<input checked="" type="checkbox"/>
Test class, type 2	<input checked="" type="checkbox"/>
Nominal voltage	230,00 V
Maximum continuous voltage AC	255,00 V
Max. continuous operating voltage	255,00 V
Nominal discharge current (8/20)	50 kA
Nominal discharge current (8/20 µs) [L-N]	50,00 kA
Rated current	125,00 A
Impulse discharge current (10/350)	50,00 kA
Lightning impulse current (10/350) (L-N)	50,00 kA
Lightning surge current (10/350)	50,00 kA
Arrester surge current (8/20) [total]	50,00 kA
Protection level	< 1,7 kV
Protection level [L-N]	1,70 kV
Protection level (L-N)	< 1,7 kV
Follow current quenching capacity left	10,00 kA
Response time	<100 ns
Maximum back-up fuse	500,00 A
Temperature range	-40+85 °C
Pole version	1
Pole number	1,00
Version	1-pole complete; 255 V
Version	1-pole
Mounting type	Hat rail 35 mm
Installation type	DIN rail 35 mm
Protection rating	IP20
Protection rating	IP 20
Approvals	VDE
Blow-out	<input type="checkbox"/>
Size	2 part units
Division unit TE (17.5 mm)	2
Remote signalling	<input type="checkbox"/>
Telecommunications contact	<input type="checkbox"/>
Connection cross-section, flexible	10,00 - 25,00 mm <sup>2</sup>
Connection cross-section, rigid	10,00 - 50,00 mm <sup>2</sup>
Connection cross-section, multi-wire	10,00 - 35,00 mm <sup>2</sup>
Signalling on device	None