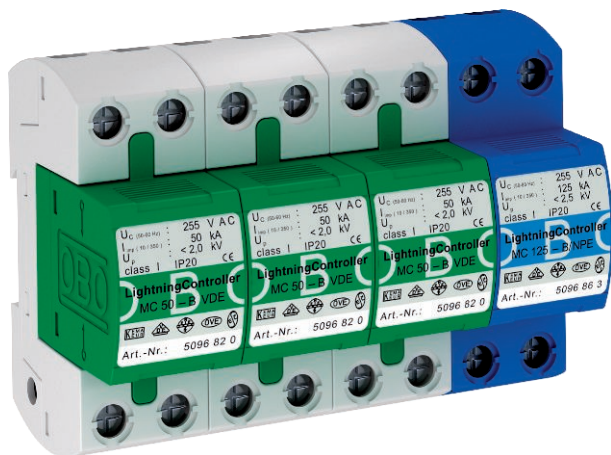


Technical data sheet

Lightning current arrester, 3-pole + NPE

Item no. 5096878



LightningController set, 4-pole, for use in TN-S and TT networks:

Completely pre-terminated and ready for connection, consisting of:
MC 50-B VDE: Lightning arrester, type 1 to EN 61643-11 for interface 0 to 1 (LPZ) according to lightning protection zone concept to IEC 61312-1 and DIN VDE 0185-305.
MC 125-B/NPE: N-PE spark gap, type 1 to IEC 61643 for use in TN-S and TT systems.

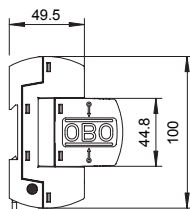
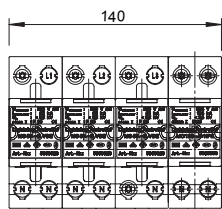
- Meets VDE-AR-N 4100
- Cover and base, plug-in cover
- Arresting capacity 50 kA (10/350 μ s) per pole
- Protection level < 2,0 kV
- Line following current quenching 25 kA Ipeak
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: can be used in standard distributor housings

Application example: Industrial systems, lightning current arresters in accordance with VDE-AR-N 4100 for the pre-meter area.

Note: Requires as a decoupling length for surge protection 5 m of cable.



Dimensions



Length	100,00 mm
Width	140,00 mm
Height	69,00 mm

Master data

Item no.	5096878
Type	MC 50-B 3+1
Description 1	LightningController
Description 2	set for TT and TNS networks
Dimension	255V
Smallest sales unit (VG)	1,00 Piece
Weight	168,00 kg/100 pc.

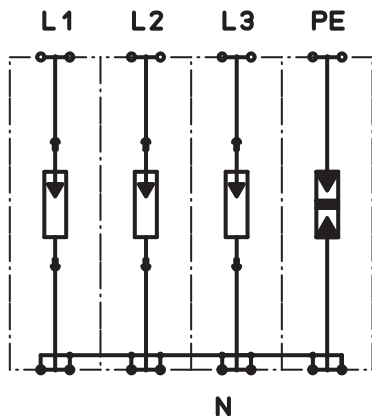
Technical data sheet

Lightning current arrester, 3-pole + NPE

Item no. 5096878



Technical data



SPD to EN 61643-11	Type 1
SPD to IEC 61643-11	Class I
Test class, type 1	<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
Impulse discharge current (10/350)	50,00 kA
Lightning surge current (10/350)	125,00 kA
Arrester surge current (8/20) [total]	125,00 kA
Protection level	< 2,0 kV
Follow current quenching capacity (eff) [N-PE]	25,00 kA
Response time	<100 ns
Maximum back-up fuse	500,00 A
Temperature range	-40+85 °C
Pole version	3+N/PE
Version	3+NPE
Version	3 + NPE
Mounting type	Hat rail 35 mm
Installation type	DIN rail 35 mm
Protection rating	IP20
Protection rating	IP 20
Blow-out	<input type="checkbox"/>
Division unit TE (17.5 mm)	8
Remote signalling	<input type="checkbox"/>
Telecommunications contact	<input type="checkbox"/>
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	None