Technical data sheet

VG housing with MCD 50-B/3

Item number: 5096874



Combination arrester, pre-installed in IP65 housing for use in TN-C networks.

VG...: Combination arrester system solution, type 1+2, according to EN 61643-11.

• LightningController MCD 50-B mounted in insulating housing IP 65, sealable housing

• Pulse current 150 kA 10/350 µs / 50 kA (10/350) per pole, BET-tested

• Protection level < 1.7 kV

• Encapsulated, non-extinguishing spark gaps

• Suitable for TN-C network systems

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

IP 65 | 230/400 V System | Type 1 | LPZ 0→2 | Type 2

Master data

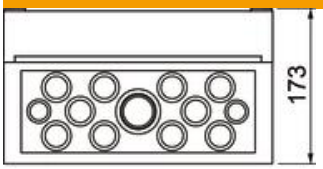
Item number	5096874
Type	MCD 50-B 3-VG
Description 1	CoordinatedLightningController
Description 2	set type 1 arrester in housing
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	315 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	6,7355 kg CO2e / 1 Piece

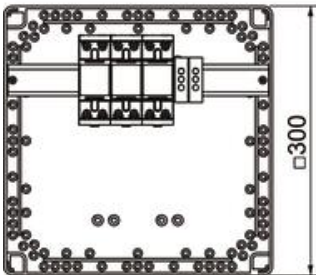
Technical data sheet

VG housing with MCD 50-B/3

Item number: 5096874

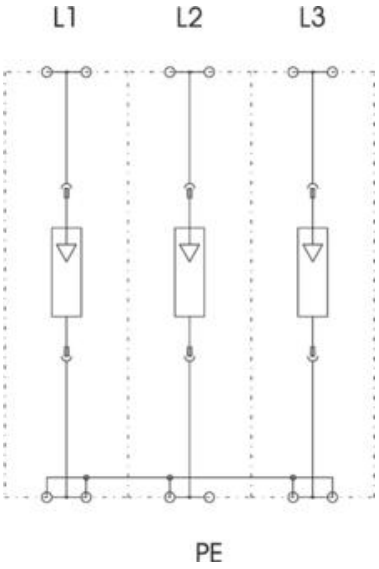
Dimensions





Length	300 mm
Width	300 mm
Height	170 mm

Technical data



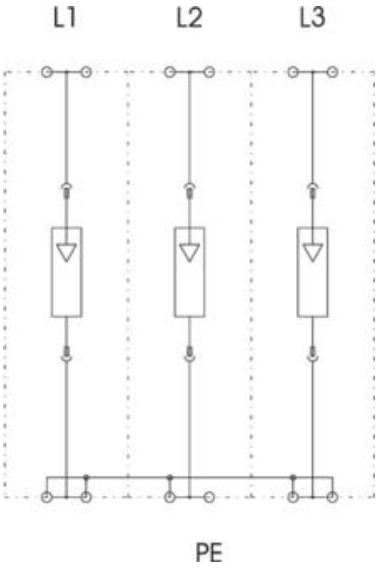
Arrester surge current (8/20 µs) [total]	150 kA
Response time	<100 ns
Blow-out	no
Pole version	3
Structural width in division units (division unit, 17.5 mm)	6
Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	50 kA
Lightning surge current (10/350)	150 kA
Remote signalling	yes
Follow current quenching capacity leff	10 kA
Maximum continuous voltage AC	255 V
Short-circuit resistance	10 kA
Short-circuit resistance for max. mains-side overcurrent protection	10 kA
Conductor cross-section, rigid (single-wire/multiwire), max.	50 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	500
Maximum back-up fuse	500 A
Installation type	Pre-mounted in the housing
Nominal discharge current (8/20 µs)	50 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN-C
TN network form	yes
TN-C network form	yes

Technical data sheet

VG housing with MCD 50-B/3

Item number: 5096874

Technical data



OBO_Nominal load current (input/output terminal)	125 A
Test class, type 1	yes
Test class, type 2	yes
ROHS-conformant	yes
Protection rating	IP54
Protection level	≤1,7 kV
Protection level [L-N]	≤1,7
Signalling on device	None
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Permitted temperature range, max.	85 °C
Permitted temperature range, min.	-40 °C