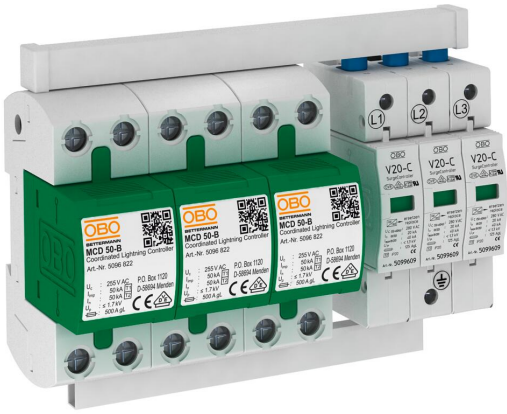
Technical data sheet

Protection set MCD + V20 3-pole

Item number: 5089754



Protection set, lightning and surge arrester combination, type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole
- Arrester, connectable, incl. connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrester for use in distributor housings

Application: Mobile telecommunications systems and industrial systems with special requirements.

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

Master data

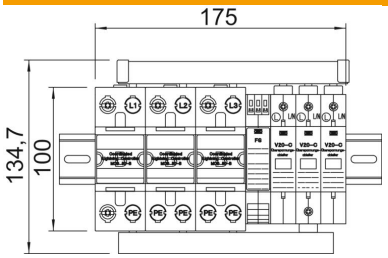
Item number	5089754
Type	PS3-B+C TNC
Description 1	Protection set
Description 2	3-pole version
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	158 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	7,7517 kg CO2e / 1 Piece

Technical data sheet

Protection set MCD + V20 3-pole

Item number: 5089754

Dimensions



Technical data

[redacted]

Arrester surge current (8/20 µs) [total]	100 kA
Response time	<25 ns
Blow-out	no
Version for	3-pole; 255 V
Pole version	3
Structural width in division units (division unit, 17.5 mm)	10th
Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	50 kA
Lightning surge current (10/350)	100 kA
Remote signalling	no
Follow current quenching capacity (eff) [N-PE]	25 kA
Follow current quenching capacity leff	12.5 kA
Maximum continuous voltage (L-N)	255 V
Maximum continuous voltage AC	255 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 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	100 kA
Nominal discharge current (8/20 µs)	50 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN-C
Pole number	3
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,7 kV
Signalling on device	Visual

Technical data sheet

Protection set MCD + V20 3-pole

Item number: 5089754

Technical data

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