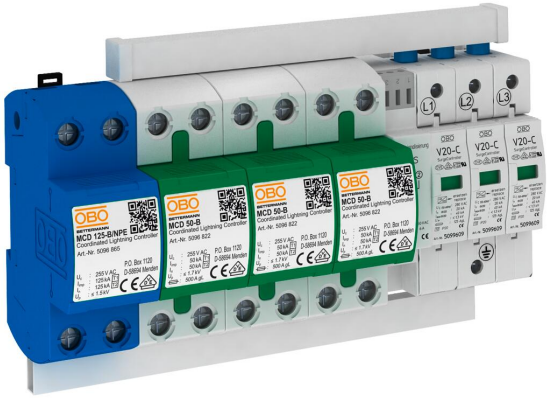
Technical data sheet

Protection set MCD + V20 3-pole + NPE with remote signalling

Item number: 5089763



Protection set, lightning and surge arrester type 1+2

- Arresting capacity 100 kA 10/350 µs, BET-tested
- Pre-mounted and ready for connection, incl. connecting bridges, labelled connection terminals
- With remote signalling and potential-free NO contact for function monitoring
- For use in TN-S and TT network system

Note: Max. backup fuse (required only if not already fitted in network) 125 A gL/gG.

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

Master data

Item number	5089763
Type	PS4-B+C TNS+FS
Description 1	Protection set
Description 2	4-pole with RS
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	211 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	11,0412 kg CO2e / 1 Piece

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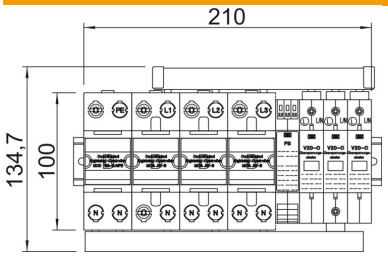
Protection set MCD + V20 3-pole + NPE with remote signalling

Item number: 5089763

Dimensions



Technical data

[redacted]

Arrester surge current (8/20 µs) [total]	100 kA
Response time	<25 ns
Blow-out	no
Version for	3+1-pole with FS; 255 V
Pole version	3+N/PE
Structural width in division units (division unit, 17.5 mm)	12th
Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	50 kA
Lightning surge current (10/350 µs) [N/PE]	125 kA
Lightning surge current (10/350)	100 kA
Remote signalling	yes
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 (N-PE)	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
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	50 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
ROHS-conformant	yes

Technical data sheet

Protection set MCD + V20 3-pole + NPE with remote signalling

Item number: 5089763

Technical data

[redacted]

Protection rating	IP20
Protection level	≤1,7 kV
Signalling on device	Visual
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