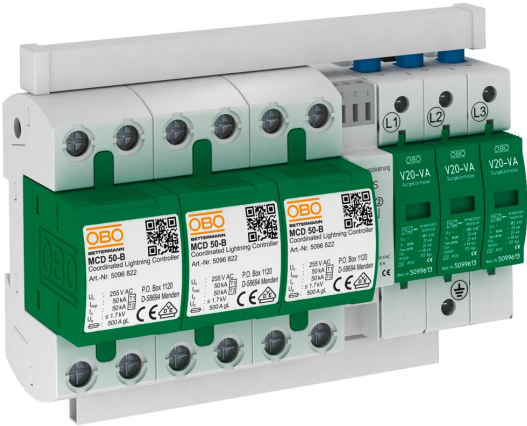


Technical data sheet

Protection set MCD + V20, leakage current-free, 3-pole with remote signalling
Item number: 5089775



Protection set VA, 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 and up to 125 kA (10/350) N-PE
- Leakage current-free
- Plug-in arrester, incl. connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrester for use in distributor housings

Application: Industrial systems with special requirements.



Master data		
Item number	5089775	
Type	PS3-VA TNC+FS	
Description 1	Protection set	
Description 2	3-pole w.RS, leak.current-free	
Manufacturer	OBO	
Dimension	255V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	167 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	8,3223 kg CO2e / 1 Piece	

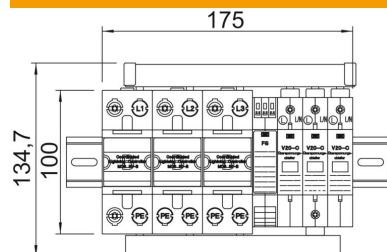
Technical data sheet

Protection set MCD + V20, leakage current-free, 3-pole with remote signalling

Item number: 5089775



Dimensions



Technical data

Arrester surge current (8/20 µs) [total]	100 kA
Response time	<25 ns
Blow-out	no
Version for	3-pole with FS; 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)	100 kA
Lightning surge current (10/350)	100 kA
Remote signalling	yes
Follow current quenching capacity (eff) [N-PE]	25 kA
Follow current quenching capacity I _{eff}	12.5 kA
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 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm ²
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)	100 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN-C
Pole number	3
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,3 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II

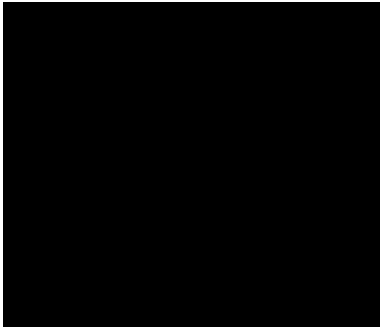
Technical data sheet

Protection set MCD + V20, leakage current-free, 3-pole with remote signalling

Item number: 5089775



Technical data



Permitted temperature range, max.	85 °C
Permitted temperature range, min.	-40 °C