

Technical data sheet

Protection set MCD + V20, leakage current-free, 3-pole + NPE with remote signalling
Item number: 5089777



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	5089777
Type	PS4-VA TT+FS
Description 1	Protection set
Description 2	4-pole w.RS, leak.current-free
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	215 kg
Weight unit	kg/100 pc.

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Arrester surge current (8/20 µs) [total]	100 kA
Response time	<25 ns
Blow-out	no
Version for	3+NPE with FS
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)	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}	12.2
Maximum continuous voltage AC	255
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
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	100 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
Protection rating	IP20
Protection level	≤1,3
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II