

# Technical data sheet

## Protection set MCD + V20 3-pole

Item number: 5089755



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.



### Master data

Item number	5089755
Type	PS3-B+C-320
Description 1	Protection set
Description 2	3-pole version
Manufacturer	OBO
Dimension	320V
Smallest sales unit	1
Unit of quantity	Piece
Weight	160 kg
Weight unit	kg/100 pc.

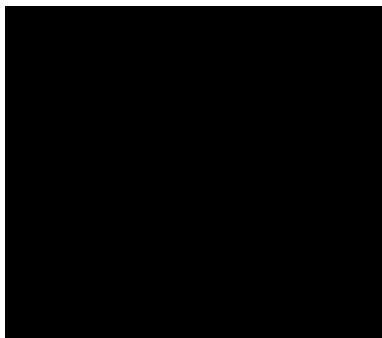
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	Arrester surge current (8/20 µs) [total]	100 kA
	Response time	<25 ns
	Version for	3-pole; 320 V
	Pole version	3
	Structural width in division units (division unit, 17.5 mm)	10th
	Operating temperature, max.	85 °C
	Operating temperature, min.	-40 °C
	Lightning surge current (10/350 µs)	50 kA
	Lightning surge current (10/350)	100 kA
	Follow current quenching capacity (eff) [N-PE]	25 kA
	Follow current quenching capacity leff	12.5
	Maximum continuous voltage (L-N)	255 V
	Maximum continuous voltage (N-PE)	255 V
	Maximum continuous voltage AC	320
	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 <sup>2</sup>
	Conductor cross-section, rigid (single-wire/multiwire), min.	10 mm <sup>2</sup>
	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
	Protection rating	IP20
	Protection level	≤1,7
	Protection level [L-N]	≤1,7
Signalling on device	Visual	
SPD to EN 61643-11	Type 1+2	
SPD to IEC 61643-1	Class I+II	