

# Technical data sheet

## Surge arrester V10 Compact 255 V

Item number: 5093380



Surge protective device, compact module, type 2+3

- Surge protection in sub-distributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Incl. thermal and dynamic cut-off unit and visual function display

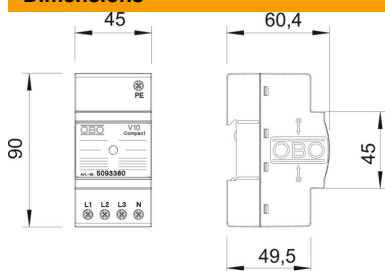
Application: Sub/storey distribution as well as device protection in rotational current systems.



### Master data

Item number	5093380
Type	V10 COMPACT 255
Description 1	V10 Compact
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	15.8 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	13,3687 kg COe / 1 Piece

### Dimensions



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	Arrester surge current (8/20 µs) [total]	60 kA
	Response time	<25 ns
	Blow-out	no
	Version for	3+NPE
	Pole version	3+N/PE
	Structural width in division units (division unit, 17.5 mm)	Miscellaneous
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Remote signalling	no
	Follow current quenching capacity (eff) [N-PE]	0.1 kA
	Follow current quenching capacity left	10 kA
	Suitable for outdoor use	no
	Maximum continuous voltage AC	255 V
	Integrated back-up fuse	no
	Conductor cross-section, rigid (single-wire/multiwire), max.	10 mm <sup>2</sup>
	Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm <sup>2</sup>
	Lightning protection zone LPZ	1→3
	Max. mains-side overcurrent protection	63
	Maximum back-up fuse	63 A
	Maximum discharge current (8/20 µs)	20 kA
	Installation type	DIN rail 35 mm
	Nominal discharge current (8/20 µs)	10 kA
	Nominal voltage AC (50/60 Hz)	230 V
	Network form	Other
	TN network form	yes
	TN-C-S network form	yes
	TN-S network form	yes
	TT network form	yes
	Test class, type 2	yes
	Test class, type 3	yes
	Protection rating	IP20
	Protection level	≤1,1 kV
Signalling on device	Visual	
SPD to EN 61643-11	Type 2+3	
SPD to IEC 61643-1	Class II+III	
Permitted temperature range, max.	80 °C	
Permitted temperature range, min.	-40 °C	