

# Technical data sheet

## Lightning current and surge arrester, 3-pole with remote signalling

Item number: 5093643



Combination arrester, lightning and surge arrester type 1+2 to DIN EN 61643-11.

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole
- Universally suitable for TN-C systems
- With new Multibase base with multi-connection terminals
- Complete unit, consisting of upper part and base, pre-mounted and ready for connection
- Arrester, connectable with dynamic cut-off unit
- With visual function display
- Protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housings
- Labelled connections
- FS variant with remote signalling contact (potential-free NO contact)

Application: Equipotential bonding in buildings, even those with external lightning protection of Class III and IV, and in standard distributor housings.

\* Complete = Plug-in arrester and base



### Master data

Item number	5093643
Type	V50-B+C 3+FS280
Description 1	CombiController V50
Description 2	3-pole with remote signalling
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	43 kg
Weight unit	kg/100 pc.

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	Arrester surge current (8/20 µs) [total]	90 kA
	Response time	<25 ns
	Blow-out	no
	Version for	3-pole + FS
	Pole version	3
	Structural width in division units (division unit, 17.5 mm)	3
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Lightning surge current (10/350 µs)	12.5 kA
	Lightning surge current (10/350)	37.5 kA
	Remote signalling	yes
	Maximum continuous voltage (N-PE)	255 V
	Maximum continuous voltage AC	280
	Integrated back-up fuse	no
	Conductor cross-section, flexible (fine-wire), min.	25 mm <sup>2</sup>
	Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm <sup>2</sup>
	Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 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)	50 kA
	Installation type	DIN rail 35 mm
	Nominal discharge current (8/20 µs)	30 kA
	Nominal discharge current (8/20 µs) [L-N]	30 kA
	Nominal voltage AC (50/60 Hz)	230 V
	Network form	TN-C
	DC network form	no
	IT network form	no
	Other network form	no
	TN network form	yes
	TN-C network form	yes
	TN-C-S network form	no
	TN-S network form	no
	TT network form	no
Pole number	3	
Protection rating	IP20	
Protection level	≤1,3	
Protection level [L-N]	≤1,3	
Protection level [N-PE]	1.5 kV	
Signalling on device	Visual	
SPD to EN 61643-11	Type 1+2	
SPD to IEC 61643-1	Class I+II	