

Technical data sheet

Twin Combi Controller V50 B+C 3

Item number: 5093600



Combination arrester, lightning arrester, type 1+2

- Voltage protection level < 1.3 kV allows device protection
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 20 kA (10/350) per phase and up to 60 kA (10/350) in total
- Arresting current 50 kA (8/20)
- Arrester backup fuse up to 125 A gL/gG

Application: Buildings with external lightning protection.

* Complete = Upper part and base



PA Polyamide

Master data

Item number	5093600
Type	V50-B+C 3 TCC
Description 1	TwinCombiController
Description 2	3-pole version
Manufacturer	OBO
Dimension	280V
Colour	Orange
Material	Polyamide
Smallest sales unit	1
Unit of quantity	Piece
Weight	81.6 kg
Weight unit	kg/100 pc.

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Arrester surge current (8/20 µs) [total]	80 kA
Response time	<25 ns
Pole version	Other
Structural width in division units (division unit, 17.5 mm)	6
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	20 kA
Lightning surge current (10/350 µs)	50 kA
Maximum continuous voltage (L-N)	280 V
Maximum continuous voltage AC	280 V
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125 A
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	80 kA
Maximum discharge current (8/20 µs) [L-N]	80 kA
Nominal discharge current (8/20 µs)	50 kA
Nominal discharge current (8/20 µs) [L-N]	50 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN-C
TN network form	yes
TN-C network form	yes
Protection rating	IP20
Protection level	≤1,3
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II