

# Technical data sheet

## CombiController V65 B+C 3+NPE 280 V

Item number: 5093751



Combination arrester, lightning and surge arrester type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole and 65 kA (8/20) in total
- Universally suitable for TN and TT systems
- Complete unit, consisting of upper part and base, pre-mounted and ready for connection
- Plug-in arrester with dynamic cut-off unit
- With visual function display
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housings
- Labelled connections

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

\* Complete = Upper part and base

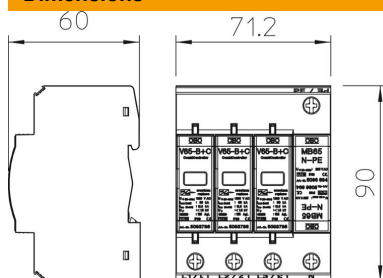


Type	LPZ	230/400 V System
1+2	0→2	

### Master data

Item number	5093751
Type	V65-B+C 3+NPE
Description 1	CombiController V65
Description 2	3-pole + NPE
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	52 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	1,6426 kg CO2e / 1 Piece

### Dimensions



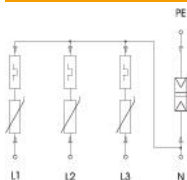
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Response time	<25 ns
Blow-out	no
Pole version	3+N/PE
Structural width in division units (division unit, 17.5 mm)	4
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	12.5 kA
Lightning surge current (10/350 µs) [N/PE]	50 kA
Lightning surge current (10/350 µs)	50 kA
Maximum continuous voltage (N-PE)	255 V
Maximum continuous voltage AC	280 V
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)	65 kA
Maximum discharge current (8/20 µs) [L-N]	65 kA
Maximum discharge current (8/20 µs) [N-PE]	65 kA
Nominal discharge current (8/20 µs)	20 kA
Nominal discharge current (8/20 µs) [L-N]	20 kA
Nominal discharge current (8/20 µs) [N-PE]	30 kA
TN network form	yes
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Protection rating	IP20
Protection level	≤1,5 kV
Protection level [L-N]	≤1,5
Protection level [N-PE]	1.5 kV
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C