

# Technical data sheet

## Surge protection, arrester, type 1+2 (office and housing)



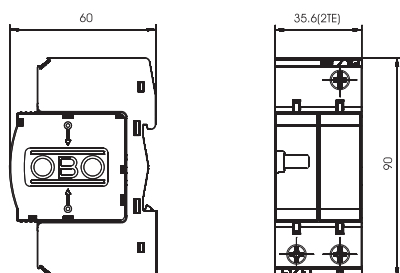
### Lightning current and surge arrester, 1-pole + NPE



Combination arrester set, lightning and surge arrester Type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 part 6).

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole and 50 kA (10/350) in total
- Universally suitable for TN and TT systems
- With new Multibase base with multi-connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrester, connectable with dynamic cut-off unit
- With visual function display
- Voltage protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housings
- Labelled connections

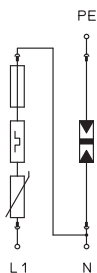
#### Dimensions



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

Type	Highest Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 1+NPE	continuous voltage V	1	31,300	5093653

#### Connection options



#### V50-B+C 1+NPE

Nominal voltage V	$U_N$	230
SPD to EN 61643-11		Type 1+2
SPD to IEC 61643-11		Class I+II
Lightning protection zone LPZ		0-2
Impulse discharge current (10/350) kA	$I_{imp}$	12,5
Total discharge current (10/350) kA	$I_{total}$	25
Nominal discharge current (8/20) kA	$I_n$	30
Arrester surge current (8/20) [total] kA	$I_{Total 8/20}$	50
Maximum discharge current (8/20 $\mu$ s) kA	$I_{max}$	50
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Voltage protection level kV	$U_p$	< 1,3
Response time ns	$t_A$	<25
Maximum back-up fuse A		125
Temperature range °C	$\vartheta$	-40+80
Division unit TE (17.5 mm)		2
Protection rating		IP20
Connection cross-section rigid mm <sup>2</sup>		2,5-35
Connection cross-section, multi-wire mm <sup>2</sup>		2,5-35
Connection cross-section, flexible mm <sup>2</sup>		2,5-25