

# Technical data sheet

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



### Combination arrester V50, 3-pole + NPE 385 V



Lightning current combination arrester, type 2

- For the equipotential bonding of lightning current to VDE 0185-305 (IEC 62305)
- Lightning current discharge capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Halogen-free plastic (UL 94 V-0)
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

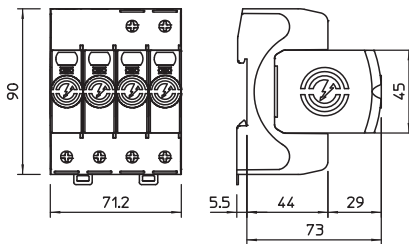
Application: Lightning current equipotential bonding for buildings of class III and IV.

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3+NPE-385	385	3+N/PE	IP20	1	64,500	5093 58 6

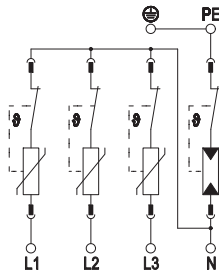
PA Polyamide



#### Dimensions



#### Connection options



#### V50-3+NPE-385

SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	class I+II
SPD to UL 1449	Type 4
Nominal voltage AC (50 / 60 Hz) V	U <sub>n</sub> 350
Maximum continuous voltage AC V	U <sub>c</sub> 385
Nominal discharge current (8/20 μs) kA	I <sub>n</sub> / L-N 30
Maximum discharge current (8/20 μs) kA	I <sub>max</sub> 50
Lightning surge current (10/350 μs) kA	I <sub>imp</sub> 12,5
Total discharge current (10/350) kA	I <sub>total</sub> 50
Arrester surge current (8/20 μs) [total] kA	I <sub>total</sub> 80
Protection level [L-N] kV	U <sub>p</sub> 1,7
Protection level [L-N] @ 1 kA kV	U <sub>res</sub> 1
Protection level [L-N] @ 5 kA kV	U <sub>res</sub> 1
Max. mains-side overcurrent protection	160 A gL/gG
Short-circuit resistance for max. mains-side overcurrent protection	50 kA eff
Operating temperature range °C	T <sub>u</sub> -40-80
Protection rating	IP20
Approvals	VDE
Cable cross-section, flexible (fine-wire) mm <sup>2</sup>	1,5-35
Rigid cable cross-section (single wire/multiwire) mm <sup>2</sup>	1,5-35
Cable cross-section, flexible (fine-wire) AWG	16-2
Rigid cable cross-section (single wire/multiwire) AWG	16-2