

### Combination arrester V50, 3-pole + NPE with FS 280 V



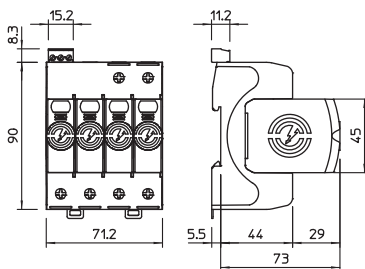
Lightning current combination arrester, type 1+2

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

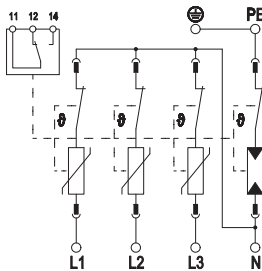
Application: Lightning current equipotential bonding for buildings of class III and IV.

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3-NPE-FS-280	280	3+N/PE	IP20	1	59,300	5093533

#### Dimensions



#### Connection options



#### V50-3+NPE+FS-280

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> 230
Maximum continuous voltage AC V	U <sub>c</sub> 280
Nominal discharge current (8/20 μs) kA	I <sub>n/L-N</sub> 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> 1,3
Combined voltage protection level [L-PE] kV	U <sub>p/L-PE</sub> 2,5
Residual voltage [L-N] @ 1 kA kV	U <sub>res</sub> 0,7
Residual voltage [L-N] @ 5 kA kV	U <sub>res</sub> 0,8
Max. mains-side overcurrent protection	160 A gL/gG
Short-circuit withstand for max. mains-side overcurrent protection	50 kA eff
Operating temperature range °C	T <sub>u</sub> -40+80
Protection rating	IP20
Approvals	VDE
FM contacts	Changeover
Switching power AC	230 V; 0,5 A
Switching power DC	230 V; 0,1 A / 75 V; 0,5 A
Connection cross-section, FM terminals mm <sup>2</sup>	0,5-1,5
Connection cross-section, FM terminals AWG	21-16
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

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