

Technical data sheet

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



Combination arrester V50, 3-pole + NPE 280 V



Lightning current combination arrester, type 1+2

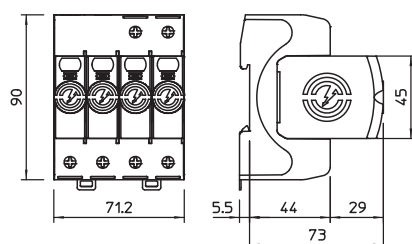


- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrester with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage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

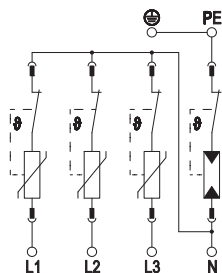
Application: Lightning current equipotential bonding for buildings of class III and IV.

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3+NPE-280	280	3+N/PE	IP20	1	58,800	5093526

Dimensions



Connection options



V50-3+NPE-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_n 230
Maximum continuous voltage AC V	U_c 280
Nominal discharge current (8/20 μ s) kA	$I_{n/L-N}$ 30
Maximum discharge current (8/20 μ s) kA	I_{max} 50
Lightning surge current (10/350 μ s) kA	I_{imp} 12,5
Total discharge current (10/350) kA	I_{total} 50
Arrester surge current (8/20 μ s) [total] kA	I_{total} 80
Protection level [L-N] kV	U_p 1,3
Combined voltage protection level [L-PE] kV	$U_p / L-PE$ 2,5
Residual voltage [L-N] @ 1 kA kV	U_{res} 0,7
Residual voltage [L-N] @ 5 kA kV	U_{res} 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_u -40+80
Protection rating	IP20
Approvals	ÖVE
Cable cross-section, flexible (fine-wire) mm ²	1,5-35
Rigid cable cross-section (single wire/multiwire) mm ²	1,5-35
Cable cross-section, flexible (fine-wire) AWG	16-2
Rigid cable cross-section (single wire/multiwire) AWG	16-2