

Technical data sheet

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



Combination arrester V50, 1-pole 280 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.
V50-1-280	280	1	IP20	1	16,400	5093500

PA Polyamide

Dimensions

Connection options



V50-1-280	
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 μs) kA	I _n / L-N 30
Maximum discharge current (8/20 μs) kA	I _{max} 50
Lightning surge current (10/350 μs) kA	I _{imp} 12,5
Total discharge current (10/350) kA	I _{total} —
Arrester surge current (8/20 μs) [total] kA	I _{total} —
Protection level [L-N] kV	U _p 1,3
Residual voltage [L-N] @ 1 kA kV	U _{res} 1
Residual voltage [L-N] @ 5 kA kV	U _{res} 1
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	UL
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