

Technical data sheet

Surge protection, arrester, type 2



Surge arrester V20, 1-pole, 280 V



Surge arrester, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable 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 variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1-280	280	1	IP20	1	12,900	5095161

Dimensions

Connection options



V20-1-280

SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class 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	$I_n / L-N$ 20
Maximum discharge current (8/20 μ s) kA	I_{max} 40
Arrester surge current (8/20 μ s) [total] kA	I_{total} 40
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	KEMA
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