Technical data sheet
Surge protection, arrestor, type 2

Surge arrestor V20, 1-pole + NPE and remote signalling, 280 V

Type 2 | LPZ 1→2 | FS

Surge arrestor, type 2

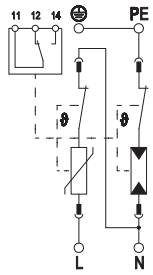
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage 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+NPE+FS-280	280	1+N/PE	IP20	1	24,600	**5095 33 1**

Dimensions

Connection options



V20-1+NPE+FS-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 µs) kA	$I_{n\,/\,L\text{-}N}$	20
Maximum discharge current (8/20 µs) kA	I_{max}	40
Arrester surge current (8/20 µs) [total] kA	I_{total}	60
Protection level [L-N] kV	U_p	1,3
Protection level [L-N] @ 1 kA kV	U_{res}	1
Protection level [L-N] @ 5 kA kV	U_{res}	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_u	-40-80
Protection rating		IP20
Approvals		UL
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 mm²		0-2
Connection cross-section, FM terminals AWG		21-16
Cable cross-section, flexible (fine-wire) mm²		1,5-35
Rigid cable cross-section (single wire/multiwire) mm²		1,5-35
Cable cross-section, flexible (fine-wire) AWG		16-2
Rigid cable cross-section (single wire/multiwire) AWG		16-2