

# Technical data sheet

## Surge protection, arrester, type 2



### Surge arrester V20, 4-pole, 280 V



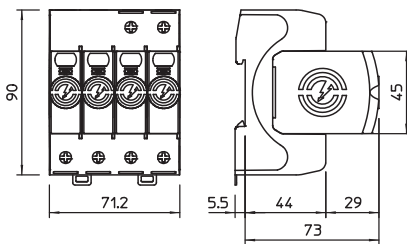
Surge arrester, type 2

- 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

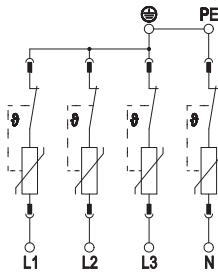
Application: Equipotential bonding in main and sub-distributions.

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-4-280	280	4	IP20	1	47,000	5095 16 4

#### Dimensions



#### Connection options



#### V20-4-280

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 <sub>n</sub> 230
Maximum continuous voltage AC V	U <sub>c</sub> 280
Nominal discharge current (8/20 μs) kA	I <sub>n</sub> / L-N 20
Maximum discharge current (8/20 μs) kA	I <sub>max</sub> 40
Arrester surge current (8/20 μs) [total] kA	I <sub>total</sub> 160
Protection level [L-N] kV	U <sub>p</sub> 1.3
Protection level [L-N] @ 1 kA kV	U <sub>res</sub> 1
Protection level [L-N] @ 5 kA kV	U <sub>res</sub> 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 <sub>u</sub> -40-80
Protection rating	IP20
Approvals	UL
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