

## Surge arrester V20, 1-pole + NPE, 280 V



Surge arrester, type 2

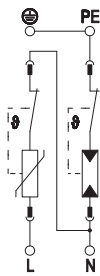
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage 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 Pole Protection continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1+NPE-280	280	1+N/PE	IP20	1	24,300	5095251

### Dimensions

### Connection options



#### V20-1+NPE-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 $\mu$ s) kA	$I_{n/L-N}$ 20
Maximum discharge current (8/20 $\mu$ s) kA	$I_{max}$ 40
Arrester surge current (8/20 $\mu$ s) [total] kA	$I_{total}$ 60
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 <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