PV surge protection V20, 1,000 V DC with remote signalling



LPZ 1→2 Type 2

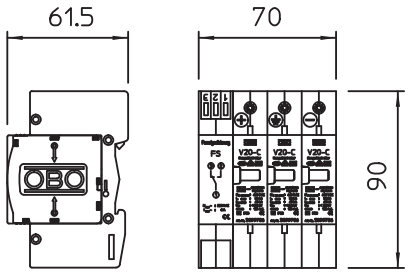
V20 surge arrestor, type 2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- V20-C 3-PH-1000 tested to EN 50539-11 (VDE / KEMA)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 4.0 kV and Voc max = 1,000 V DC
- With visual function display for use in distributor housings

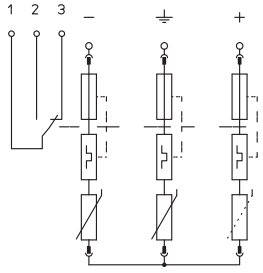
Application: PV systems with or without separate lightning protection system

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3PHFS-1000	1000	3-pole for PV systems with FS	1	44,500	**5094574**

Dimensions



Connection options



V20-C 3PHFS-1000

U max DC V	U_c DC	1000
SPD to EN 61643-11		Type 2
Lightning protection zone LPZ		1→2
Nominal discharge current (8/20) kA	I_n	20
Maximum discharge current (8/20 µs) kA	I_{max}	40
Voltage protection level kV	U_p	< 4,0
Response time ns	t_A	< 25
Temperature range °C	ϑ	-40-+80
Protection rating		IP 20
Division unit TE (17.5 mm)		4
Connection cross-section rigid mm²		2,5-35
Connection cross-section, multi-wire mm²		2,5-35
Connection cross-section, flexible mm²		2,5-25