Technical data sheet

PV surge protection V20, 600 V DC

Item no. 5094605



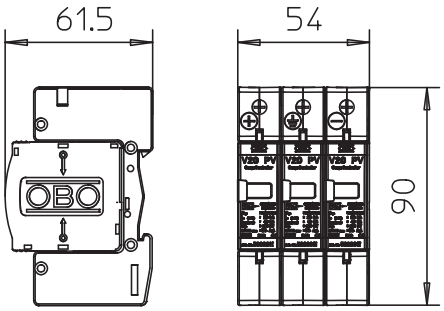
V20 surge arrestor, type 2, for PV systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit for use according to VDE 0100-712 (EN 50539-12)
- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 2.6 kV (Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrestor for use in distributor housings

Application: PV systems with or without separate lightning protection system

Type 2 LPZ 1→2

Dimensions



Master data

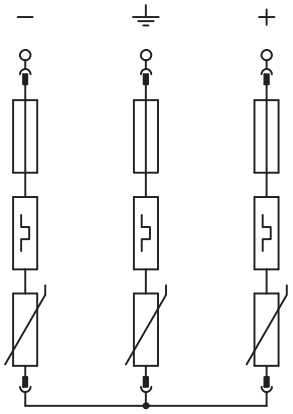
Item no.	5094605
Type	V20-C 3PH-600
Description 1	SurgeController V20
Description 2	three-pole for PV systems
Dimension	600V DC
Smallest sales unit (VG)	1,00 Piece
Weight	33,50 kg/100 pc.

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Technical data



SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Test class, type 2	☑
Maximum continuous voltage DC	600,00 V
U max DC	600,00 V
Nominal discharge current (8/20)	20 kA
Maximum discharge current (8/20 µs)	40,00 kA
Protection level	< 2,6 kV
Response time	< 25 ns
Maximum back-up fuse	125,00 A
Temperature range	-40-+80 °C
Pole version	3
Version	3-pole for PV systems
Version	3-pole
Mounting type	Hat rail 35 mm
Protection rating	IP20
Protection rating	IP 20
Blow-out	□
Size	3 part units
Division unit TE (17.5 mm)	3
Telecommunications contact	□
Max. cable cross-section flexible (fine-wire)	25,00 mm²
Max. cable cross-section rigid (single wire/multi-wire)	35,00 mm²
Connection cross-section, flexible	2,50 - 25,00 mm²
Connection cross-section, rigid	2,50 - 35,00 mm²
Connection cross-section, multi-wire	2,50 - 35,00 mm²
Signalling on device	Visual