

Technical data sheet

PV surge protection V20, 600 V DC

Item number: 5094605



V20 surge arrester, type 2, for PV systems

- Complete unit, consisting of plug-in varistor arrester 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)
- Arrester, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrester for use in distributor housings

Application: PV systems with or without separate lightning protection system



Master data

Item number	5094605
Type	V20-C 3PH-600
Description 1	SurgeController V20
Description 2	three-pole for PV systems
Manufacturer	OBO
Dimension	600V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	33.5 kg
Weight unit	kg/100 pc.

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	Response time	<25 ns
	Blow-out	no
	Version for	3-pole for PV systems
	Pole version	3
	Structural width in division units (division unit, 17.5 mm)	3
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Remote signalling	no
	Maximum continuous voltage DC	600
	Conductor cross-section, flexible (fine-wire), min.	25 mm ²
	Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
	Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
	Lightning protection zone LPZ	1→2
	Max. mains-side overcurrent protection	125
	Maximum back-up fuse	125 A
	Maximum discharge current (8/20 µs)	40 kA
	Installation type	DIN rail 35 mm
	Nominal discharge current (8/20 µs)	20 kA
	Network form	Other
	Test class, type 2	yes
	Protection rating	IP20
	Protection level	≤2,6
	Protection level wire-wire	< 2,6 V
	Protection level wire-earth	< 2,6 V
	Signalling on device	Visual
	SPD to EN 61643-11	Type 2
	SPD to IEC 61643-1	Class II
	Cable type for surge protection devices	Power cable DC (PV)