

Technical data sheet

PV complete block 1500 V DC

Item number: 5094210



- Type 2 surge protection for PV plants.
- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
 - Arresting capacity of 20 kA per pole and up to 40 kA (8/20)
 - Error-resistant Y circuit with status display
 - The FS variant possesses a potential-free changeover contact for remote signalling
- Application: Surge protective devices for PV systems.



Master data		
Item number	5094210	
Type	V-PV-T2-1500	
Description 1	SurgeController V-PV	
Description 2	Y-connection for PV systems	
Manufacturer	OBO	
Dimension	1500V DC	
Colour	Grey	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	33.8 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	0,2054 kg CO2e / 1 Piece	

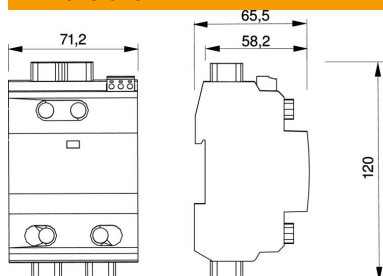
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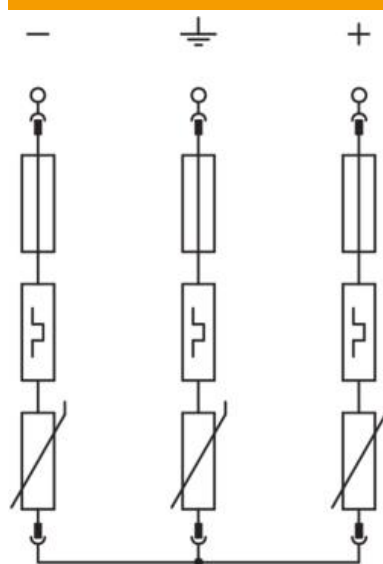


Dimensions



Length	65.5 mm
Width	71.2 mm
Height	120 mm

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Arrester surge current (8/20 μ s) [total]	40 kA
Response time	<25 ns
Blow-out	no
Version for	Y configuration
Pole version	Other
Structural width in division units (division unit, 17.5 mm)	4
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Explosion-tested version	no
Remote signalling	no
Maximum continuous voltage DC	1500 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), max.	35 mm ²
Conductor cross-section, flexible (fine-wire), min.	2.5 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. PV voltage	1500 V
Maximum discharge current (8/20 μ s)	40 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 μ s)	20 kA
Network form	DC
DC network form	yes
IT network form	no
Other network form	no
TN network form	no
TN-C network form	no
TN-C-S network form	no
TN-S network form	no
TT network form	no
OBO_Nominal load current (input/output terminal)	50 A
Testclass, type 1	no

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—		+	Testclass, type 2
			yes
			Test class, type 3
			no
			ROHS-conformant
			yes
			Protection rating
			IP20
			Protection level
			≤4,5 kV
			Signalling on device
			Visual
			SPD to EN 61643-11
			Type 2
			SPD to IEC 61643-11
			Class II
			Permitted temperature range, max.
			80 °C
			Permitted temperature range, min.
			-40 °C