Technical data sheet

PV complete block 1,500 V DC with remote signalling

Item number: 5094212

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.

Type 2 LPZ 1→2

Master data

Item number	5094212
Type	V-PV-T2-1500+FS
Description 1	SurgeController V-PV
Description 2	Y-connection PV system+remote
Manufacturer	OBO
Dimension	1500V DC
Colour	Grey
Smallest sales unit	1
Unit of quantity	Piece
Weight	34.4 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,1024 kg CO2e / 1 Piece

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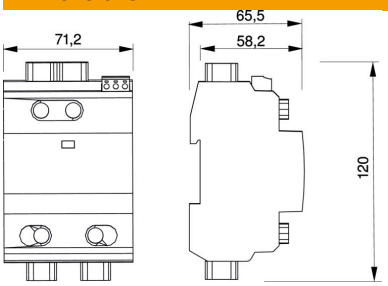
Dimensions



Length	65.5 mm
Width	71.2 mm
Height	120 mm

Technical data

[redacted]

Arrester surge current (8/20 µs) [total]	40 kA
Response time	<25 ns
Blow-out	no
Version for	Y configuration + RS
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	yes
FM contacts	Changeover
Maximum continuous voltage DC	1500 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), max.	35 mm²
Conductor cross-section, flexible (fine-wire), min.	2.5 mm²
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm²
Lightning protection zone LPZ	1→2
Max. PV voltage	1500 V
Maximum discharge current (8/20 µs)	40 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	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

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Technical data

[redacted]

Test class, type 1	no
Test class, 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