

Technical data sheet

PV combination arrester 1,500 V

Item number: 5094252



- Combination arrester, type 1+2, for PV systems
- Complete unit of pluggable varistor arrester with cut-off unit
 - Surge protection equipotential bonding to IEC 60364-7-712
 - Tested to EN 61643-31
 - Discharge capacity up to 6.25 kA (10/350) and 60 kA (8/20) per pole
 - Low DC protection level: < 4.5 kV and Uoc max = 1,500 V DC
 - With visual function display for the use in distributor housings



Master data		
Item number	5094252	
Type	PV-T1+2-1500	
Description 1	PV CombiController	
Description 2	three-pole for PV systems	
Manufacturer	OBO	
Dimension	1500V DC	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	49.9 kg	
Weight unit	kg/100 pc.	

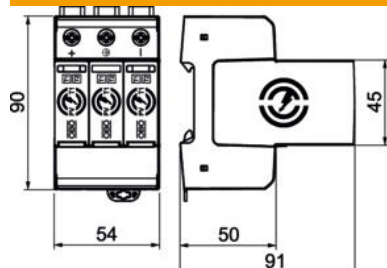
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Dimensions



Length	91 mm
Width	54 mm
Height	95 mm

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Arrester surge current (8/20 µs) [total]	60 kA
Connection cross-section (min.)	1.5 mm ²
Response time	<25 ns
Version for	3-pole for PV systems
Pole version	3
Structural width in division units (division unit, 17.5 mm)	3
Lightning surge current (10/350 µs)	6.25 kA
Lightning surge current (10/350)	12.5 kA
Torque	39.9 Lbs
Torque	4.5 Nm
Installation location	Interior
Remote signalling	no
FM contacts	Changeover
Function/defect display	Visual
Suitable for outdoor use	no
Maximum continuous voltage DC	1500 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), max.	25 mm ²
Conductor cross-section, flexible (fine-wire), max.	4 AWG
Conductor cross-section, flexible (fine-wire), min.	16 AWG
Conductor cross-section, flexible (fine-wire), min.	1.5 mm ²
Conductor cross-section, rigid (single-wire/multiwire), max.	2 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	16 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	1.5 mm ²
Lightning protection zone LPZ	0→2
Humidity, min.	5 %
Humidity, max.	95 %
Max. PV voltage	1500 V
Maximum discharge current (8/20 µs)	60 kA

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Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	30 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
Pole number	3
Ports	One-Port SPD
ROHS-conformant	yes
Switching power AC	250 V; 1,0 A / 125 V; 1,0 A
Switching power DC	48 V; 0,5 A / 24 V; 0,5 A / 12 V; 0,5 A
Protection rating	IP20
Protective conductor current	< 2 µA
Protection level	≤4,5 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Permitted temperature range, max.	85 °C
Permitted temperature range, min.	-40 °C
Number of conductors (without earth)	2