

Technical data sheet

PV combination arrester 1,500 V with remote signalling

Item number: 5094260



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
- Including a potential-free changeover contact for remote signalling



Master data

| | |
|---------------------|--------------------------------|
| Item number | 5094260 |
| Type | PV-T1+2+FS-1500 |
| Description 1 | PV CombiController |
| Description 2 | three-pole for PV systems + RS |
| Manufacturer | OBO |
| Dimension | 1500V DC |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 50.4 kg |
| Weight unit | kg/100 pc. |

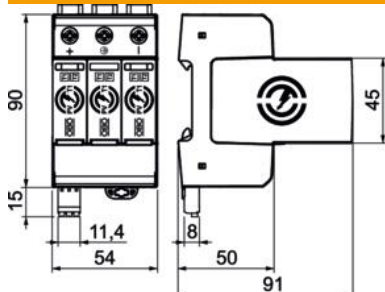
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Dimensions



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| Length | 91 mm |
| Width | 54 mm |
| Height | 110 mm |

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| Arrester surge current (8/20 μ s) [total] | 60 kA |
| Connection cross-section (min.) | 1.5 mm ² |
| Connection cross-section, FM terminals, max. | 16 AWG |
| Connection cross-section, FM terminals, max. | 1.5 mm ² |
| Connection cross-section, FM terminals, min. | 23 AWG |
| Connection cross-section, FM terminals, min. | 0.25 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 μ s) | 6.25 kA |
| Lightning surge current (10/350) | 12.5 kA |
| Torque | 39.9 Lbs |
| Torque | 4.5 Nm |
| Installation location | Interior |
| Remote signalling | yes |
| 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 |

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| 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 |
| 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 |
| 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 61643-1 | Class I+II |
| Permitted temperature range, max. | 85 °C |
| Permitted temperature range, min. | -40 °C |
| Number of conductors (without earth) | 2 |