

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.



| 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      |  |

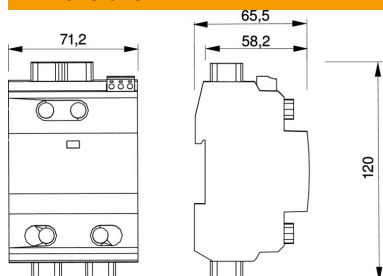
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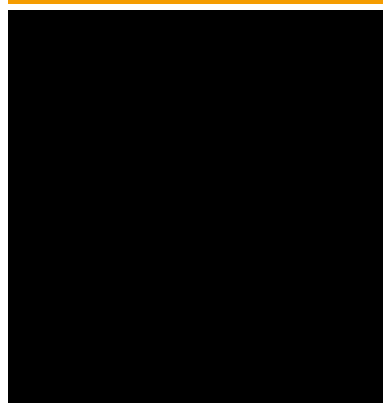


### Dimensions



|        |         |
|--------|---------|
| Length | 65.5 mm |
| Width  | 71.2 mm |
| Height | 120 mm  |

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|                                                              |                      |
|--------------------------------------------------------------|----------------------|
| Arrester surge current (8/20 $\mu$ s) [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 mm <sup>2</sup>   |
| Conductor cross-section, flexible (fine-wire), min.          | 2.5 mm <sup>2</sup>  |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 35 mm <sup>2</sup>   |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 2.5 mm <sup>2</sup>  |
| Lightning protection zone LPZ                                | 1→2                  |
| Max. PV voltage                                              | 1500 V               |
| Maximum discharge current (8/20 $\mu$ s)                     | 40 kA                |
| Installation type                                            | DIN rail 35 mm       |
| Nominal discharge current (8/20 $\mu$ 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                 |

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|                                   |          |
|-----------------------------------|----------|
| Test class, type 1                | no       |
| Test class, type 2                | yes      |
| Test class, type 3                | no       |
| Protection rating                 | IP20     |
| Protection level                  | ≤4,5     |
| Signalling on device              | Visual   |
| SPD to EN 61643-11                | Type 2   |
| SPD to IEC 61643-1                | Class II |
| Permitted temperature range, max. | 80 °C    |
| Permitted temperature range, min. | -40 °C   |