

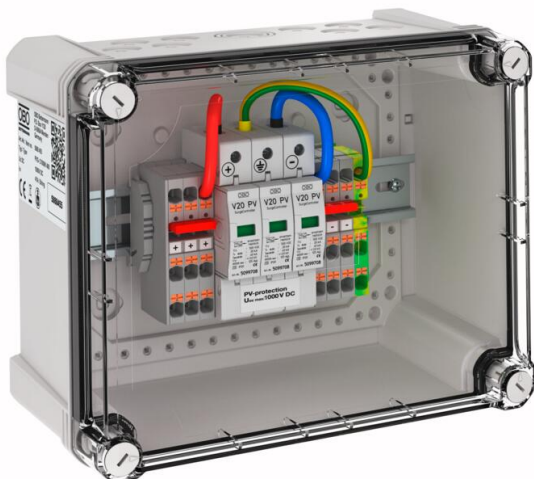
# Technical data sheet

## Generator connection box, type 2, for 4 strings

Item number: 5088455

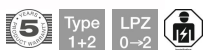


Generator connection box, type 2, for photovoltaic systems, to connect 4 strings. For DC protection of the inverter.



- Varistor arrester, plug-in, with separation device in error-resistant Y circuit according to VDE 0100-712 (50539-12)
- Low DC protection level: < 4.0 kV (Uoc max = 1,000 V DC)
- 1 protection device with 8 push-in terminals of up to 6 mm<sup>2</sup> pre-installed in the housing, up to 41 A DC per terminal
- Polycarbonate housing (IP67), UV-resistant for exterior use, incl. cable gland set and pressure compensation element

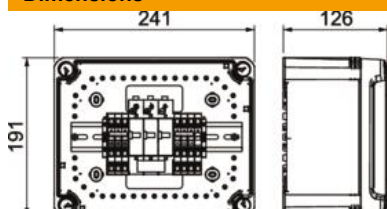
Additional measures may be required if there is the risk of condensation formation through wind, ice, temperature or sun!



### Master data

|                     |                         |
|---------------------|-------------------------|
| Item number         | 5088455                 |
| Type                | PVG- C1000K 400         |
| Description 1       | Combiner Box            |
| Description 2       | 4 PV string to 4 WR-MPP |
| Manufacturer        | OBO                     |
| Dimension           | 1000V DC                |
| Colour              | Light grey; RAL 7035    |
| Smallest sales unit | 1                       |
| Unit of quantity    | Piece                   |
| Weight              | 148 kg                  |
| Weight unit         | kg/100 pc.              |

### Dimensions



|        |        |
|--------|--------|
| Width  | 240 mm |
| Height | 191 mm |

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|  |                                       |
|--|---------------------------------------|
| Response time  | <25 ns                                |
| Number of inputs   | 4                                     |
| Type of entry  | Gland                                 |
| Version for  | For 1 MMPT and with push-in terminals |
| Operating temperature, max.                                  | 60 °C                                 |
| Operating temperature, min.                                  | -25 °C                                |
| Housing material surge protection components                 | PC                                    |
| Maximum continuous voltage DC                                | 1000                                  |
| Conductor cross-section, flexible (fine-wire), max.          | 6 mm <sup>2</sup>                     |
| Conductor cross-section, flexible (fine-wire), max.          | 10 AWG                                |
| Conductor cross-section, flexible (fine-wire), min.          | 21 AWG                                |
| Conductor cross-section, flexible (fine-wire), min.          | 0.5 mm <sup>2</sup>                   |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 8 AWG                                 |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 10 mm <sup>2</sup>                    |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 21 AWG                                |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 0.5 mm <sup>2</sup>                   |
| Lightning protection zone LPZ                                | 1→2                                   |
| Maximum back-up fuse   | 125 A                                 |
| Maximum discharge current (8/20 µs)                          | 40 kA                                 |
| Installation type  | Pre-mounted in the housing            |
| Nominal discharge current (8/20 µs)                          | 20 kA                                 |
| Network form   | DC                                    |
| DC network form  | yes                                   |
| Test class, type 1   | no                                    |
| Test class, type 2   | yes                                   |
| Test class, type 3   | no                                    |
| Protection rating  | IP67                                  |
| Protection rating IK code                                    | IK08                                  |
| Protection level   | ≤4,0                                  |
| Signalling on device   | Visual                                |
| SPD to EN 61643-11   | Type 2                                |
| SPD to IEC 61643-1   | Class II                              |
| Permitted temperature range, max.                            | 65 °C                                 |
| Permitted temperature range, min.                            | -25 °C                                |
| Depth  | 125 mm                                |
| Cable type for surge protection devices                      | Power cable DC (PV)                   |
| Number of cable entries                                      | 16                                    |
| Max. Input voltage DC  | 1000 V                                |
| String fuse  | Without                               |
| Monitoring function  | no                                    |
| Max. Input current per string                                | 41 A                                  |
| Max. Output current  | 41 A                                  |

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|  |                  |
|--|------------------|
| Number of string inputs                    | 4                |
| Equipped with load-break switch            | no               |
| Anschlussart Generatoran-<br>schlusskasten | Push-in terminal |
| Number of MPPTs                            | 1                |
| Entries per MPPT                           | 4                |
| Exits per MPPT                             | 4                |