

Technical data sheet

CombiController V50, 60 V DC with RS

Item number: 5093447



Lightning current arrester, type 1+2 for surge voltage protection and the safe ar-
resting of partial lightning currents following the EN 61643-11 standard.

- Lightning current arresting capacity 12.5 kA (10/350)
- Modular connectable arrester with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- With potential-free changeover contact for remote signalling



Master data

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|---------------------|-----------------------|
| Item number | 5093447 |
| Type | V50-DC-60-12,5FS |
| Description 1 | CombiController V50 |
| Description 2 | 60V DC 12,5kA with RS |
| Manufacturer | OBO |
| Dimension | 60V DC |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 11.5 kg |
| Weight unit | kg/100 pc. |

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| 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. | 21 AWG |
| Connection cross-section, FM terminals, min. | 0.5 mm ² |
| Response time | <25 ns |
| Pole version | 1 |
| Structural width in division units (division unit, 17.5 mm) | 1 |
| Operating temperature, max. | 80 °C |
| Operating temperature, min. | -40 °C |
| Lightning surge current (10/350 µs) | 12.5 kA |
| Torque | 35 Lbs |
| Torque | 4 Nm |
| Torque for FM terminal | 1.7 Lbs |
| Torque for FM terminal | 0.2 Nm |
| Installation location | Interior |
| FM contacts | Changeover |
| Function/defect display | Visual |
| Housing material surge protection components | PA UL 94 V-0 |
| Maximum continuous voltage DC | 60 |
| Short-circuit resistance for max. mains-side overcurrent protection | 50 kA eff |
| Conductor cross-section, flexible (fine-wire), max. | 35 mm ² |
| Conductor cross-section, flexible (fine-wire), max. | 2 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 |
| Humidity, max. | 95 % |
| Humidity, min. | 5 % |
| Max. mains-side overcurrent protection | 160 A gL/gG |
| Maximum back-up fuse | 160 A |
| Maximum discharge current (8/20 µs) | 50 kA |
| Minimum distance | 1.5 mm |
| Installation type | DIN rail 35 mm |
| Nominal discharge current (8/20 µs) | 30 kA |
| Nominal voltage AC (50/60 Hz) | 120 V |

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| Nominal voltage DC | 48 V |
| Network form | DC |
| Pole number | 1 |
| Ports | One-Port SPD |
| Switching power AC | 230 V; 0,5 A |
| Switching power DC | 230 V; 0,1 A / 75 V; 0,5 A |
| Protection rating | IP20 |
| Protection level | ≤0,8 |
| Protection level [L-N] | ≤0,8 |
| Signalling on device | Visual |
| SPD to EN 61643-11 | Type 1+2 |
| SPD to IEC 61643-1 | Class I+II |