

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 arresting 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

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.
CO2 Footprint (GWP) Cradle-to-Gate	0,4563 kg CO2e / 1 Piece

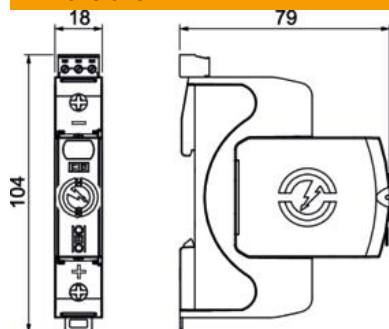
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Dimensions



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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 V
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

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Conductor cross-section, rigid (single-wire/multiwire), min.	16 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	1.5 mm ²
Humidity, min.	5 %
Humidity, max.	95 %
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 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 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.	80 °C
Permitted temperature range, min.	-40 °C