

Technical data sheet

CombiController V20 6-polig + NPE with remote signaling

Item number: 5095357



Surge arrester set, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Modular connectable arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Halogen-free plastic (UL 94 V-0)
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions. Only available as a set.

Available as SET made up of the two standard SurgeControllers V20-3+NPE+RS-280; 5095333 and V20-3+RS-280; 5095283.

There is no processing or mounting on the devices.



Master data

Item number	5095357
Type	V20-6+NPE+FS
Description 1	CombiController V20
Description 2	6-pole + NPE with RS
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	82.7 kg
Weight unit	kg/100 pc.

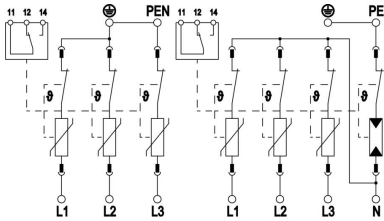
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Arrester surge current (8/20 μ s) [total]	60 kA
Connection cross-section (min.)	1.5 mm ²
Connection cross-section, FM terminals, max.	16 AWG
Connection cross-section, FM terminals, max.	1.5 mm ²
Connection cross-section, FM terminals, min.	21 AWG
Connection cross-section, FM terminals, min.	0.5 mm ²
Response time	<25 ns
Response time [L-N]	25 ns
Response time [N-PE]	100 ns
Pole version	Other
Structural width in division units (division unit, 17.5 mm)	7
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Torque	35 Lbs
Torque	4 Nm
Torque for FM terminal	1.7 Lbs
Torque for FM terminal	0.2 Nm
Installation location	Interior
Remote signalling	yes
FM contacts	Changeover
Follow current quenching capacity (eff) [N-PE]	0.1 kA
Function/defect display	Visual
Housing material surge protection components	PA UL 94 V-0
Maximum continuous voltage (L-N)	280 V
Maximum continuous voltage (N-PE)	255 V
Maximum continuous voltage AC	280
Short-circuit resistant	yes
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 μ s)	40 kA
Maximum discharge current (8/20 μ s) [L-N]	40 kA
Maximum discharge current (8/20 μ s) [N-PE]	60 kA
Minimum distance	1.5 mm
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 μ s)	20 kA
Nominal discharge current (8/20 μ s) [L-N]	20 kA
Nominal discharge current (8/20 μ s) [N-PE]	40 kA

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