

Technical data sheet

CombiController V20 6-polig + NPE with remote signaling

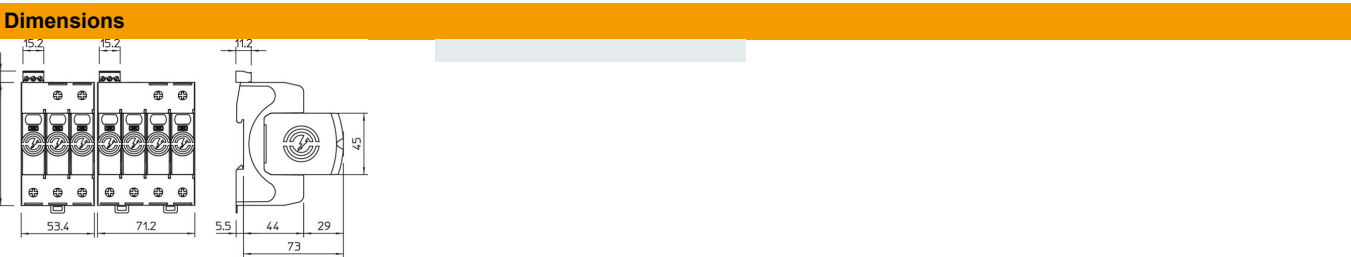
Item number: 5095357



- 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.	



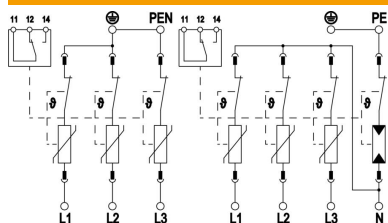
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Arrester surge current (8/20 µs) [total]	60 kA
Connection cross-section (min.)	1.5 mm ²
Connection cross-section, FM terminals, max.	16 AWG
Connection cross-section, FM terminals, max.	1.5 mm ²
Connection cross-section, FM terminals, min.	21 AWG
Connection 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 V
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 %

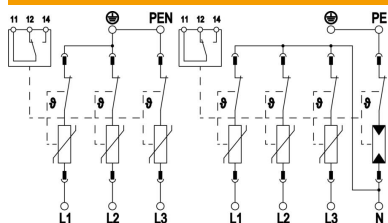
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Max. mains-side overcurrent protection	160 A gL/gG
Maximum back-up fuse	160 A
Maximum discharge current (8/20 µs)	40 kA
Maximum discharge current (8/20 µs) [L-N]	40 kA
Maximum discharge current (8/20 µs) [N-PE]	60 kA
Minimum distance	1.5 mm
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	20 kA
Nominal discharge current (8/20 µs) [L-N]	20 kA
Nominal discharge current (8/20 µs) [N-PE]	40 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Pole number	7
Ports	One-Port SPD
Test class, type 2	yes
Residual voltage [L-N] @ 1 kA	0.8 kV
Residual voltage [L-N] @ 5 kA	1 kV
Switching power AC	230 V; 0,5 A
Switching power DC	230 V; 0,1 A / 75 V; 0,5 A
Protection rating	IP20
Protective conductor current	< 2 µA
Protection level	≤1,3
Protection level [L-N]	≤1,3
Protection level [N-PE]	1.3 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II
SPD to UL 1449	Type 4
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C
TOV voltage [L-N] – fail safe mode – 120 min.	440 V
TOV voltage [L-N] – withstand mode – 5 s	335 V
TOV voltage [N-PE] – withstand mode – 200 ms	1200 V