Technical data sheet

Plug-in arrester C20

Item number: 5095600

N-PE surge arrester, type 2

• For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)

• Discharge capacity to 40 kA (8/20) per pole through high-performance varistors

• Modular connectable arrester with dynamic cut-off unit and visual status display

• Locking mechanism with vibration protection and voltage keying

• Plastic (UL 94 V-0)

Application: Equipotential bonding in main and sub-distributors.

Type 2 LPZ 1→2

Master data

Item number	5095600
Type	C20-0-255
Description 1	NPE discharge gap
Description 2	plug-in arrester
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	3.68 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,2585 kg CO2e / 1 Piece

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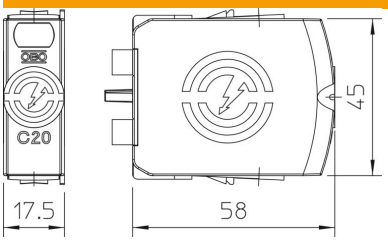
Dimensions



Technical data

Connection cross-section (min.)	1.5 mm²
Response time [L-N]	25 ns
Response time [N-PE]	100 ns
Blow-out	no
Pole version	N/PE
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Torque	35 Lbs
Torque	4 Nm
Installation location	Interior
Remote signalling	no
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 (N-PE)	255 V
Maximum continuous voltage AC	255 V
Integrated back-up fuse	no
Short-circuit resistant	yes
Humidity, max.	95 %
Humidity, min.	5 %
Maximum discharge current (8/20 µs)	40 kA
Maximum discharge current (8/20 µs) [N-PE]	60 kA
Minimum distance	1.5 mm
Installation type	On basic element
Nominal discharge current (8/20 µs)	20 kA
Nominal discharge current (8/20 µs) [N-PE]	40 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
Pole number	1
Ports	One-Port SPD
Test class, type 2	yes
Switching power AC	230 V; 0,5 A
Switching power DC	230 V; 0,1 A / 75 V; 0,5 A
Protection rating	IP20

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Protective conductor current	< 2 µA
Protection level	≤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 [N-PE] – withstand mode – 200 ms	1200 V
Approvals	VDE KEMA UL ÖVE