Technical data sheet

Plug-in arrester NPE-C50

Item number: 5095609

Upper part NPE, lightning current combination arrester, type 1+2
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current discharge capacity up to 50 kA (10/350) in total
- Modular, plug-in arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic according to UL 94 V-0

* Complete = Plug-in arrester and base

LPZ 0→2 Type 1+2

Master data

Item number	5095609
Type	C50-0-255
Description 1	NPE discharge gap
Description 2	plug-in arrester
Manufacturer	OBO
Dimension	255V
Smallest sales unit	1
Unit of quantity	Piece
Weight	7.215 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,4832 kg CO2e / 1 Piece

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Dimensions

Technical data

Connection cross-section (min.)	1.5 mm²
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
Lightning surge current (10/350 µs) [N/PE]	50 kA
Lightning surge current (10/350)	50 kA
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 AC	255 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), max.	35 mm²
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 mm²
Conductor cross-section, rigid (single-wire/multiwire), max.	2 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	16 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	1.5 mm²
Humidity, max.	95 %
Humidity, min.	5 %
Maximum discharge current (8/20 µs) [N-PE]	80 kA
Minimum distance	1.5 mm

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Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs) [N-PE]	50 kA
Nominal frequency	50 Hz
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Pole number	1
Ports	One-Port SPD
Protection rating	IP20
Protective conductor current	< 5 µA
Protection level [N-PE]	1.5 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+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