

Technical data sheet

Surge arrester V10 3-pole + NPE 280 V

Item number: 5094920



Surge arrester, type 2+3

- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for TN-S and TT network systems
- Incl. thermal and dynamic cut-off unit
- With visual display of defects
- High current conductivity and long service life
- Labelled connections

Application example: Residential buildings, single-family homes



Master data

| | |
|---------------------|---------------------|
| Item number | 5094920 |
| Type | V10-C 3+NPE |
| Description 1 | SurgeController V10 |
| Description 2 | 3+1 version |
| Manufacturer | OBO |
| Dimension | 280V |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 37.8 kg |
| Weight unit | kg/100 pc. |

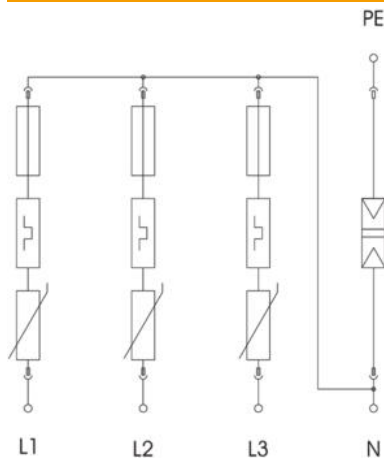
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|--|---------------------|
| Arrester surge current (8/20 μ s) [total] | 40 kA |
| Response time | <25 ns |
| Blow-out | no |
| Pole version | 3+N/PE |
| Structural width in division units (division unit, 17.5 mm) | 4 |
| Operating temperature, max. | 80 °C |
| Operating temperature, min. | -40 °C |
| Remote signalling | no |
| Maximum continuous voltage (N-PE) | 255 V |
| Maximum continuous voltage AC | 280 |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 35 mm ² |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 2.5 mm ² |
| Lightning protection zone LPZ | 1→3 |
| Max. mains-side overcurrent protection | 125 |
| Maximum back-up fuse | 125 A |
| Maximum discharge current (8/20 μ s) | 20 kA |
| Maximum discharge current (8/20 μ s) [L-N] | 20 kA |
| Maximum discharge current (8/20 μ s) [N-PE] | 50 kA |
| Installation type | DIN rail 35 mm |
| Nominal discharge current (8/20 μ s) | 10 kA |
| Nominal discharge current (8/20 μ s) [L-N] | 10 kA |
| Nominal discharge current (8/20 μ s) [N-PE] | 30 kA |
| Nominal voltage AC (50/60 Hz) | 230 V |
| Network form | Other |
| TN network form | yes |
| TN-C-S network form | yes |
| TN-S network form | yes |
| TT network form | yes |
| Test class, type 2 | yes |
| Protection rating | IP20 |
| Protection level | $\leq 1,1$ |
| Protection level [N-PE] | 1.2 kV |
| Signalling on device | Visual |
| SPD to EN 61643-11 | Type 2+3 |
| SPD to IEC 61643-1 | Class II+III |