

# Technical data sheet

CoordinatedLightningController, plug-in arrester with function display  
Item number: 5096827



Combination arrester, type 1+2, plug-in arrester with visual display.

- Lightning current arresting capacity 50 kA (10/350)
- Power consumption < 26 mW/pole
- Protection level < 1.7 kV
- Line current quenching capacity 10 kA
- Encapsulated, non-extinguishing spark gap

Application: Installations of surge protection devices, type 1+2, in a distribution.



| Master data         |                                |  |
|---------------------|--------------------------------|--|
| Item number         | 5096827                        |  |
| Description 1       | CoordinatedLightningController |  |
| Description 2       | with function display          |  |
| Manufacturer        | OBO                            |  |
| Dimension           | 255V                           |  |
| Smallest sales unit | 1                              |  |
| Unit of quantity    | Piece                          |  |
| Weight              | 19.5 kg                        |  |
| Weight unit         | kg/100 pc.                     |  |

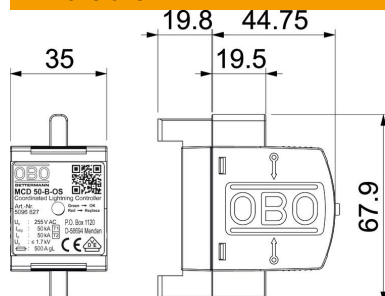
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## Dimensions



|        |        |
|--------|--------|
| Length | 100 mm |
| Width  | 35 mm  |
| Height | 69 mm  |

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|                                                                     |                    |
|---------------------------------------------------------------------|--------------------|
| Arrester surge current (8/20 µs) [total]                            | 50 kA              |
| Response time                                                       | <100 ns            |
| Blow-out                                                            | no                 |
| Version for                                                         | 1-pole             |
| Pole version                                                        | 1                  |
| Structural width in division units (division unit, 17.5 mm)         | 2                  |
| Operating temperature, max.                                         | 85 °C              |
| Operating temperature, min.                                         | -40 °C             |
| Lightning surge current (10/350 µs)                                 | 50 kA              |
| Lightning surge current (10/350)                                    | 50 kA              |
| Remote signalling                                                   | no                 |
| Follow current quenching capacity I <sub>eff</sub>                  | 10                 |
| Maximum continuous voltage (L-N)                                    | 255 V              |
| Maximum continuous voltage AC                                       | 255 V              |
| Short-circuit resistance                                            | 10 kA              |
| Short-circuit resistance for max. mains-side overcurrent protection | 10 kA              |
| Conductor cross-section, rigid (single-wire/multiwire), max.        | 50 mm <sup>2</sup> |
| Conductor cross-section, rigid (single-wire/multiwire), min.        | 10 mm <sup>2</sup> |
| Lightning protection zone LPZ                                       | 0→2                |
| Max. mains-side overcurrent protection                              | 500                |
| Maximum back-up fuse                                                | 500 A              |
| Installation type                                                   | On basic element   |
| Nominal discharge current (8/20 µs)                                 | 50 kA              |
| Nominal discharge current (8/20 µs) [L-N]                           | 50 kA              |
| Nominal voltage AC (50/60 Hz)                                       | 230 V              |
| Network form                                                        | Other              |
| DC network form                                                     | no                 |
| IT network form                                                     | no                 |
| Other network form                                                  | no                 |
| TN network form                                                     | yes                |

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|                                                  |            |
|--------------------------------------------------|------------|
| TN-C network form                                | yes        |
| TN-C-S network form                              | yes        |
| TN-S network form                                | yes        |
| TT network form                                  | yes        |
| OBO_Nominal load current (input/output terminal) | 125 A      |
| Pole number                                      | 1          |
| Test class, type 1                               | yes        |
| Test class, type 2                               | yes        |
| Protection rating                                | IP20       |
| Protection level                                 | ≤1,7       |
| Protection level [L-N]                           | ≤1,7       |
| Signalling on device                             | Visual     |
| SPD to EN 61643-11                               | Type 1+2   |
| SPD to IEC 61643-1                               | Class I+II |
| Approvals                                        | VDE        |