

## INDUSTRIAL COMPONENT DATA

# MDP-3 D-5-T 5098407 OBO BETTERMANN Lightning barrier 3-pole with test function, 5V,

Brand: OBO BETTERMANN | Manufacturer Part Number: MDP-3 D-5-T



|                 |                                                    |
|-----------------|----------------------------------------------------|
| Manufacturer    | OBO BETTERMANN                                     |
| MPN / Reference | MDP-3 D-5-T                                        |
| Catalog number  | 5098407                                            |
| Category        | Combined arrester for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                              |
| Document ID     | EO-A475884D05                                      |
| Generated       | 2026-08-03                                         |

## Product Overview

Lightning barrier 3-pole with test function, 5V,  
Series protection device, 3-pole, 5 V version. Lightning barrier with test function; 5 V version • Nominal load current 0.58 A • Protection device for multi-wire systems • Direct shield earthing and screwless connection terminals • Space-saving width of just 8.7 mm • Protection circuit testable with Life Control • High frequency range of 0-100 MHz • UL-listed (4DG1) Application: Universal use on 35 mm DIN profile rail in any standard distribution housing.

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path

OBO BETTERMANN &gt; TBS Transient and lightning protection systems - OBO BETTERMANN &gt; Surge , arrester,

## Additional Product Information

Approvals UL

Arrester monitoring no

Capacity (wire-wire) &lt; 40 pF

CO2 Footprint (GWP) Cradle-to-Gate 0,3352 kg CO2e / 1 Piece

Connection cross-section, flexible, max. 2,5 mm<sup>2</sup>Connection cross-section, flexible, min. 0,14 mm<sup>2</sup>Connection cross-section, multi-wire, max. 1,5 mm<sup>2</sup>Connection cross-section, multi-wire, min. 0,14 mm<sup>2</sup>Connection cross-section, rigid, max. 2,5 mm<sup>2</sup>Connection cross-section, rigid, min. 0,14 mm<sup>2</sup>

Cut-off frequency 100 MHz

Dimension 5V

Earthing via: DIN rail

Explosion-tested version no

Impulse durability wire-earth C2: 5 kV / 2,5 kA (8/20µs)

Impulse durability wire-wire C1: 0,5 kV / 0,25 kA (8/20µs)

Insertion loss <=3 dB

Insulation resistance >10 MΩ

Kategorie Type 1+2+3 / D1+C2+C1

Lightning protection zone LPZ 0->3

Maximum continuous voltage AC 7 V

Maximum continuous voltage DC 10 V

Nominal load current AC 0,4 A

Nominal load current DC 0,58 A

Nominal voltage 5 V

Number of poles 3

Permitted temperature range, max. 80 °C

Permitted temperature range, min. -40 °C

Plug-in system Terminal

Protection level @ C1

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / MDP-3 D-5-T with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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