

**INDUSTRIAL COMPONENT DATA**

# 5098452 OBO BETTERMANN DOWNLOADER-EX MDP-4 D-48-EX

Brand: OBO BETTERMANN | Manufacturer Part Number: MDP-4 D-48-EX



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | OBO BETTERMANN                                           |
| MPN / Reference | MDP-4 D-48-EX                                            |
| Catalog number  | 5098452                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-2ED347A362                                            |
| Generated       | 2026-08-02                                               |

## Product Overview

### DOWNLOADER-EX MDP-4 D-48-EX

Series protection device, 4-pole, 48 V version. Lightning barrier for intrinsically safe measuring circuits • Protection device for multi-wire systems • Direct shield earthing and screwless connection terminals • Space-saving width of just 8.7 mm • High frequency range of 0-100 MHz • ATEX approval: II 2(1) G Ex ia [ja Ga] IIC T4 (BVS 11 ATEX E 131 X) • UL-listed (4UM2) 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

## Additional Product Information

Approvals UL  
 Arrestor monitoring no  
 Capacity (wire-wire) < 40 pF  
 CO2 Footprint (GWP) Cradle-to-Gate 0,1887 kg CO2e / 1 Piece  
 Colour Blue  
 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 48V  
Earthing via: DIN rail  
EX approval II 2(1)G Ex ia [ia Ga] IIC T4 Gb  
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 >100 MΩ  
Kategorie Type 1+2+3 / D1+C2+C1  
Lightning protection zone LPZ 0->3  
Maximum continuous voltage AC 41 V  
Maximum continuous voltage DC 58 V  
Nominal load current AC 0,4 A  
Nominal load current DC 0,58 A  
Nominal voltage 48 V  
Number of poles 4  
Permitted temperature range, max. 80 °C  
Permitted temperature range, min. -40 °C  
Plug-in system Terminal  
Protection level wire-earth

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OBO BETTERMANN / MDP-4 D-48-EX 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

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