

# Technical data sheet

## Surge protection for high-speed networks up to 10 GBit (Class EA/CAT6A)

Item number: 5081807



Data cable protection device for high-speed networks

- Protection class: fine protection
- Unprotected connection: RJ45 socket
- Protected connection: RJ45 socket
- Low protection level at high current load
- Earthing via external PE connection
- Support for Power over Ethernet ++ (PoE++/4PPoE) up to 1 A according to IEC-EE 802.3
- Tested transmission quality in networks to 10 GBit (class EA) or CAT6A
- For wall and rod mounting in internal and external areas
- Sturdy aluminium housing, protection rating IK code: IK08, protection type: IP66
- Protection level PoE: < 160 V

Application examples: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, high-quality industrial systems



### Master data

|                                    |                          |
|------------------------------------|--------------------------|
| Item number                        | 5081807                  |
| Type                               | ND-IP66-RJ-RJ            |
| Description 1                      | Net Defender IP66        |
| Description 2                      | for Class EA/CAT6A RJ-RJ |
| Manufacturer                       | OBO                      |
| Dimension                          | 58V                      |
| Smallest sales unit                | 1                        |
| Unit of quantity                   | Piece                    |
| Weight                             | 42.6 kg                  |
| Weight unit                        | kg/100 pc.               |
| CO2 Footprint (GWP) Cradle-to-Gate | 1,1379 kg CO2e / 1 Piece |

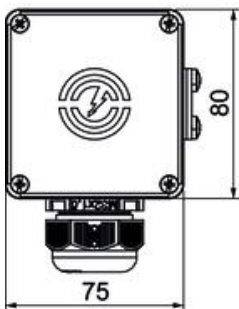
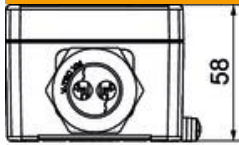
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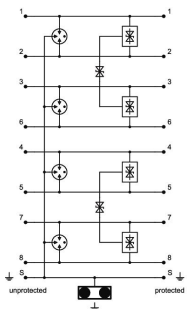


## Dimensions



|        |        |
|--------|--------|
| Length | 111 mm |
| Width  | 75 mm  |
| Height | 58 mm  |

## Technical data



|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Number of poles                   | 8                                 |
| Version for                       | Fine protection, 8 wires + shield |
| Channel performance Ansi/EA       | CAT 6A                            |
| Channel performance ISO/IEC       | Class EA                          |
| Insertion loss                    | ≤4 dB                             |
| Earthing via:                     | Connection cable                  |
| Explosion-tested version          | no                                |
| Telecommunications contact        | no                                |
| Total discharge current (10/350)  | 2,5 kA                            |
| Total discharge current (8/20)    | 10 kA                             |
| Maximum continuous voltage DC     | 58 V                              |
| Kategorie                         | Type 1+2+3 / D1+C2+C1             |
| Lightning protection zone LPZ     | 1→3                               |
| Mounting type                     | Wall mounting                     |
| Nominal voltage                   | 5 V                               |
| Testing standard                  | IEC 61643-21                      |
| Shielding connection available    | yes                               |
| Screening                         | Direct                            |
| Protection rating                 | IP66                              |
| Protection level wire-wire        | <70 V                             |
| Protection level wire-earth       | <700 V                            |
| SPD to IEC 61643-21               | Class I+II+III / D1+C2+C1         |
| Plug-in system                    | RJ45 8(8)                         |
| Impulse durability wire-wire      | C1: 0,5 kV / 0,25 kA (8/20μs)     |
| Impulse durability wire-earth     | C2: 3 kV / 1,5 kA (8/20μs)        |
| Permitted temperature range, max. | 65 °C                             |
| Permitted temperature range, min. | -20 °C                            |