

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 |

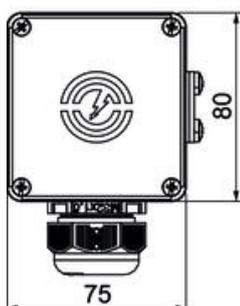
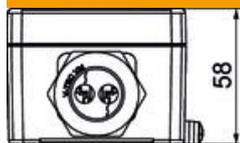
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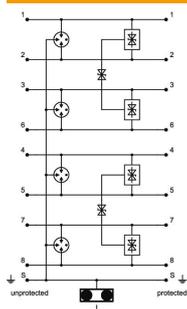


Dimensions



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

Technical data



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|-----------------------------------|-----------------------------------|
| 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 |