

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

- 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 IEEE 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

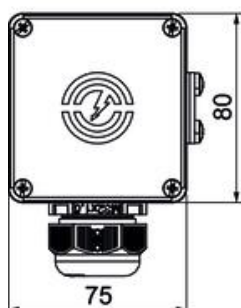
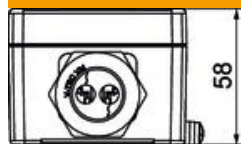
Technical data sheet

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

Item number: 5081807

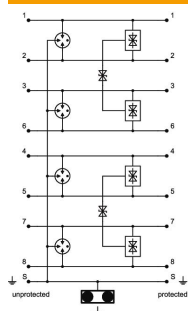


Dimensions



Length	111 mm
Width	75 mm
Height	58 mm

Technical data



Number of poles	8
Version for	Combination 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	0→3
Mounting type	Wall mounting
Nominal voltage	5 V
Testing standard	IEC 61643-21
ROHS-conformant	yes
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