

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 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	

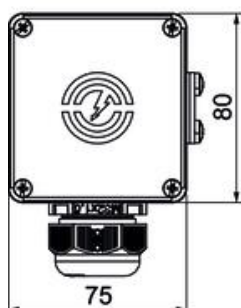
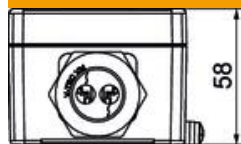
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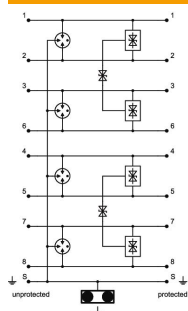


Dimensions



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
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