

Technical data sheet

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

Item number: 5081800



Data cable protection device for high-speed networks

- Protection class: Fine protection
- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet ++ (PoE++/4PPoE) to 1 A in accordance with IEEE 802.3
- Tested transmission quality in networks up to 10 GBit/s (Class EA) or CAT6
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

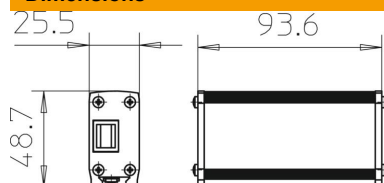
Application example: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces



Master data

Item number	5081800
Type	ND-CAT6A/EA
Description 1	Net Defender
Description 2	for Class EA / CAT6A
Manufacturer	OBO
Dimension	58V
Smallest sales unit	1
Unit of quantity	Piece
Weight	16.6 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	1,5117 kg CO2e / 1 Piece

Dimensions



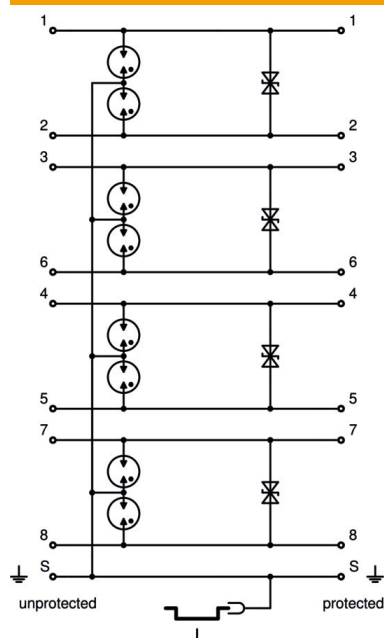
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Number of poles	8
Version for	Fine protection, 8 wires + shield
Channel performance Ansi/EA	CAT 6A
Channel performance ISO/IEC	Class EA
Insertion loss	≤3 dB
Earthing via:	Connection cable / DIN rail
Explosion-tested version	no
Telecommunications contact	no
Total discharge current (8/20)	7 kA
Maximum continuous voltage AC	41 V
Maximum continuous voltage DC	58 V
Kategorie	Type 2+3 / C2+C1
Lightning protection zone LPZ	1→3
Mounting type	Connector/cable adapter
Testing standard	IEC 61643-21
ROHS-conformant	yes
Shielding connection available	yes
Screening	Direct
Protection rating	IP20
Protection level wire-wire	<120 V
Protection level wire-earth	<700 V
SPD to IEC 61643-21	Class II+III / C2+C1
Plug-in system	RJ45 8(8)
Impulse durability wire-wire	C1: 0,3 kV / 0,15 kA (8/20μs)
Impulse durability wire-earth	C2: 2 kV / 1 kA (8/20μs)
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C