

Surge protection for high-speed networks up to 10 GBit (Class ND-CAT6/E-F)



Data cable protection device for high-speed networks

- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet + to 1 A
- Tested transmission quality in networks up to 10 GBit (Class EA) or CAT6A
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

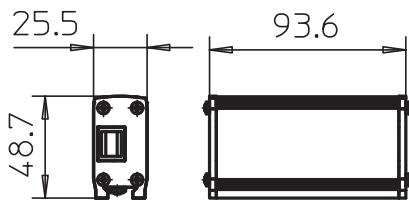
Application example: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces

Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.	Item No.
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ND-CAT6/E-F	Fine protection, 8 wires + shield	RJ45 8(8)	1	16,380	5081802	5273747
ND-CAT6/E-B	Basic protection, 8 wires + shield	RJ45 8(8)	1	16,220	5081804	5273748

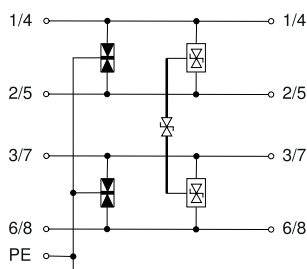
Alu Aluminium

Dimensions



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Connection options



ND-CAT6/E-F

Maximum continuous voltage AC V	U _c	41
Maximum continuous voltage DC V	U _c	58
Category		Type 2+3 / C2+C1
Lightning protection zone LPZ		1→3
Channel performance ISO/IEC		Class E
Channel performance Ansi/EA		CAT 6
Number of poles		8
Rated current A	I _n	1
Impulse durability wire-wire		C1: 0,3 kV / 0,15 kA (8/20µs)
Impulse durability wire-earth		C2: 3 kV / 1,5 kA (8/20µs)
Total discharge current (8/20) kA		5
Protection level wire-wire V		<40
Protection level wire-earth V		<900
Frequency range		>250 MHz
Temperature range °C	θ	-40+80
Installation type		Connector/cable adapter
Connection system		RJ45 8(8)
Protection rating		IP10
Shielding connection available		Yes
Shield connection		Direct
Earthing via:		Connection cable / DIN rail
Testing standard		IEC 61643-21

ND-CAT6/E-B

Maximum continuous voltage AC V	U _c	46
Maximum continuous voltage DC V	U _c	65
Category		Type 1 / D1
Lightning protection zone LPZ		0→1
Channel performance ISO/IEC		Class E
Channel performance Ansi/EA		CAT 6
Number of poles		8
Rated current A	I _n	1
Impulse durability wire-wire		C2: 3 kV / 1,5 kA (8/20µs)
Impulse durability wire-earth		C2: 3 kV / 1,5 kA (8/20µs)
Total discharge current (8/20) kA		10
Protection level wire-wire V		<1100
Protection level wire-earth V		<900
Frequency range		>250 MHz
Temperature range °C	θ	-40+80
Installation type		Connector/cable adapter
Connection system		RJ45 8(8)
Protection rating		IP10
Shielding connection available		Yes
Shield connection		Direct
Earthing via:		Connection cable / DIN rail
Testing standard		IEC 61643-21