

New surge protection devices

For CAT6 network lines with Power over Ethernet applications (PoE)
(e.g. IP cameras in CCTV)



The ND-CAT6/E-F (item no.: 5081 80 2) is the fine protection for CAT6 applications and can be used in lightning protection zones (LPZ) 1 to 3.



Providing basic protection, the ND-CAT6/E-B (item no.: 5081 80 4) expands the portfolio. The application area lies in the lightning protection zones 0 to 1. Both devices are specified for the LAN transmission standard CAT6 (1 Gbit/s) and also support Power over Ethernet (PoE) transmissions.

E.g. for the protection of IP cameras in CCTV systems

For CAT6 network lines with Power over Ethernet applications (PoE) (e.g. IP cameras in CCTV)



Data cable protection device for high-speed networks

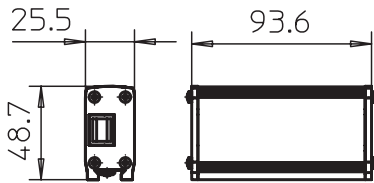
- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet + to 1 A
- Tested transmission quality in networks up to 1 GB (Cat6, Class E) or Cat6
- Rapid installation through plug-in version
- Incl. rail fastening set and earthing cable

Application example: 1 Gbit Ethernet, 10/100 Mbit Ethernet, PoE applications, IP camera systems

Type	Version	Plug-in system-	Pack. pcs.	Weight kg/100 pcs.	Item No.
ND-CAT6/E-F	Fine protection, 8 wires + shield	RJ45 8(8)	1	16,400	5081802
ND-CAT6/E-B	Basic protection, 8 wires + shield	RJ45 8(8)	1	16,220	5081804

Alu Aluminium

Abmessungen



	ND-CAT6/E-F	ND-CAT6/E-B
LPZ	1 -> 3	0 -> 1
U_c	6V (58 V PoE)	65 V
I_L	1 A	1 A
U_P Line-Line	< 40 V	< 1100 V
U_P Line-Earth	< 900 V	< 900 V
Impulse durability (8/20µs) (Line-Line)	C2: 0.3 kV / 0.15 kA	C2: 3 kV / 1.5 kA
Impulse durability (8/20µs) (Line-Earth)	C2: 3 kV / 1.5 kA	C2: 3 kV / 1.5 kA
Impulse durability (10/350µs) (Line-Earth)	-	0,5 kA
I_{Total} (8/20µs)	5 kA	10 kA
I_{Total} (10/350µs)	-	2,5 kA
Power over Ethernet	Yes	Yes
Transmission class	CAT6 (1 Gbit/s)	CAT6 (1 Gbit/s)
Item no.	5081 80 2	5081 80 4

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