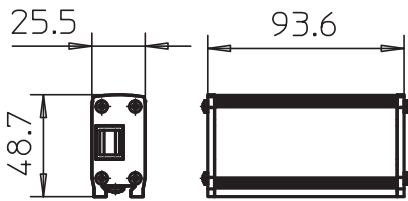


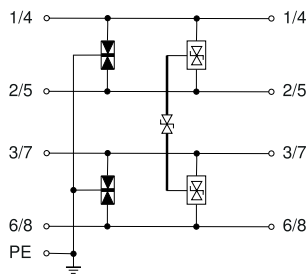
## Surge protection for high-speed networks up to 1 GBit (Class E/CAT6)



### Dimensions



### Connection options



| Type        | Version                           | Connection system | Pack. pcs | Weight kg/100 pcs. | Item No. |
|-------------|-----------------------------------|-------------------|-----------|--------------------|----------|
| ND-CAT6/E-F | Fine protection, 8 wires + shield | RJ45 8(8)         | 1         | 16.380             | 5081802  |

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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 + to 1 A
- Tested transmission quality in networks up to 1 GBit/s (Class E) or CAT6
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

Application example: 1 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces

### ND-CAT6/E-F

|                                |       |                                     |
|--------------------------------|-------|-------------------------------------|
| Maximum continuous voltage AC  | $U_c$ | 41 V                                |
| Maximum continuous voltage DC  | $U_c$ | 58 V                                |
| 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                  | $I_L$ | 1 A                                 |
| Impulse durability wire-wire   |       | C1: 0,3 kV / 0,15 kA (8/20 $\mu$ s) |
| Impulse durability wire-earth  |       | C2: 3 kV / 1,5 kA (8/20 $\mu$ s)    |
| Total discharge current (8/20) |       | 5 kA                                |
| Protection level wire-wire     |       | <40 V                               |
| Protection level wire-earth    |       | <900 V                              |
| Frequency range                |       | >250 MHz                            |
| Temperature range              |       | -40 - +80 °C                        |
| Installation type              |       | Connector/cable adapter             |
| Connection system              |       | RJ45 8(8)                           |
| Protection rating              |       | IP20                                |
| Shielding connection available |       | Yes                                 |
| Shield connection              |       | Direct                              |
| Earthing via:                  |       | Connection cable / hat rail         |
| Testing standard               |       | IEC 61643-21                        |

## Surge protection for high-speed networks up to 1 GBit (Class E/CAT6)



| Type        | Version                            | Con-<br>tion<br>system | Pack.<br>pcs | Weight<br>kg/100 pcs. | Item No. |
|-------------|------------------------------------|------------------------|--------------|-----------------------|----------|
| ND-CAT6/E-B | Basic protection, 8 wires + shield | RJ45 8(8)              | 1            | 16.220                | 5081804  |

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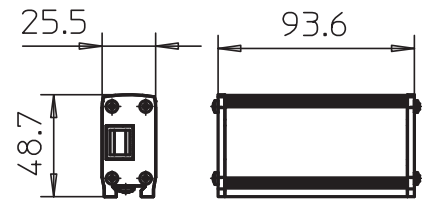
Data cable protection device for high-speed networks

- Protection class: Basic protection
- 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 GBit/s (Class E) or CAT6
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

Application example: 1 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces



Dimensions



### ND-CAT6/E-B

|                                |       |                                  |
|--------------------------------|-------|----------------------------------|
| Maximum continuous voltage AC  | $U_c$ | 46 V                             |
| Maximum continuous voltage DC  | $U_c$ | 65 V                             |
| 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                  | $I_L$ | 1 A                              |
| Impulse durability wire-wire   |       | C2: 3 kV / 1,5 kA (8/20 $\mu$ s) |
| Impulse durability wire-earth  |       | C2: 3 kV / 1,5 kA (8/20 $\mu$ s) |
| Total discharge current (8/20) |       | 10 kA                            |
| Protection level wire-wire     |       | <1100 V                          |
| Protection level wire-earth    |       | <900 V                           |
| Frequency range                |       | >250 MHz                         |
| Temperature range              |       | -40 - +80 °C                     |
| Installation type              |       | Connector/cable adapter          |
| Connection system              |       | RJ45 8(8)                        |
| Protection rating              |       | IP20                             |
| Shielding connection available |       | Yes                              |
| Shield connection              |       | Direct                           |
| Earthing via:                  |       | Connection cable / hat rail      |
| Testing standard               |       | IEC 61643-21                     |

Connection options

