

Surge protection device - CN-UB/E-BB - 2817686

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Attachment plug with surge protection, for coaxial signal interfaces with floating shield. Connection: N connector socket-socket

The illustration shows version CN-UB/E



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 PCE |
| Weight per Piece (excluding packing) | 135.2 GRM |
| Custom tariff number | 85363010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 83 mm |
| Width | 25.4 mm |
| Depth | 25.4 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Degree of protection | IP20 |

General

| | |
|--|---|
| Housing material | Aluminum |
| Color | black |
| Standards for air and creepage distances | DIN VDE 0110-1 IEC 60664-1 |
| Surge voltage category | II |
| Pollution degree | 2 |
| Mounting type | Connection-specific intermediate plugging |

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Technical data

General

| | |
|---------------------|--------------------------|
| Design | Attachment plug |
| Direction of action | Line-Shield/Earth Ground |

Protective circuit

| | |
|--|---------------------------------------|
| IEC test classification | C2 |
| | C3 |
| | D1 |
| VDE requirement class | C2 |
| | C3 |
| | D1 |
| Maximum continuous operating voltage U_C | 180 V DC |
| | 130 V AC |
| Maximum continuous voltage U_C (wire-ground) | 180 V DC |
| | 130 V AC |
| Nominal current I_N | 5 A (25 °C) |
| Operating effective current I_C at U_C | $\leq 1 \mu\text{A}$ |
| Residual current I_{PE} | $\leq 2 \mu\text{A}$ |
| Nominal discharge current I_n (8/20) μs (Core-Earth) | 5 kA |
| Nominal discharge current I_n (8/20) μs (Core-Shield) | 5 kA |
| Nominal discharge current I_n (8/20) μs (Shield-Earth) | 5 kA |
| Total surge current (8/20) μs | 10 kA |
| Nominal pulse current I_{an} (10/1000) μs (Core-Earth) | 100 A |
| Output voltage limitation at 1 kV/ μs (Core-Earth) spike | $\leq 470 \text{ V}$ |
| Output voltage limitation at 1 kV/ μs (Core-Shield) spike | $\leq 590 \text{ V}$ |
| Output voltage limitation at 1 kV/ μs (Shield-Earth) spike | $\leq 470 \text{ V}$ |
| Output voltage limitation at 1 kV/ μs (Core-Earth) static | $\leq 470 \text{ V}$ |
| | $\leq 33 \text{ V}$ |
| Output voltage limitation at 1 kV/ μs (Shield-Earth) static | $\leq 33 \text{ V}$ |
| Residual voltage at I_n , (conductor-ground) | $\leq 160 \text{ V}$ (1.5 m cable) |
| Residual voltage at I_n , (conductor-shield) | $\leq 55 \text{ V}$ |
| Residual voltage at I_n , (shield-ground) | $\leq 160 \text{ V}$ (1.5 m cable) |
| Voltage protection level U_P (Core-Earth) | $\leq 500 \text{ V}$ (C2, 10 kV/5 kA) |
| Voltage protection level U_P (Core-Shield) | $\leq 700 \text{ V}$ (C2, 10 kV/5 kA) |
| Voltage protection level U_P (Shield-Earth) | $\leq 500 \text{ V}$ (C2, 10 kV/5 kA) |
| Response time t_A (Core-Earth) | $\leq 100 \text{ ns}$ |
| Response time t_A (Core-GND) | $\leq 100 \text{ ns}$ |
| Response time t_A (Shield-Earth) | $\leq 100 \text{ ns}$ |

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Technical data

Protective circuit

| | |
|--|--|
| Input attenuation aE, asym. | 0.1 dB (\leq 100 MHz) |
| Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system | typ. 1 GHz |
| Standing wave ratio SWR in a 50 Ω system | \leq 1.2 (200 MHz) |
| Permissible HF power P _{max.} at SWR=xx (50 Ohm system) | 300 W (at SWR = 1.1 in a 50 Ω system) |
| | 80 W (VSWR = ∞) |
| Capacity asymmetrical (shield) | 7 pF (typical) |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) | C2 (10 kV/5 kA) |
| | D1 (2.5 kA) |
| Surge carrying capacity in acc. with IEC 61643-21 (Shield-Earth) | C2 (10 kV/5 kA) |
| | D1 (2.5 kA) |

Connection data

| | |
|---------------------|-------------------------|
| Connection method | N connector 50 Ω |
| Connection type IN | N connector, female |
| Connection type OUT | N connector, female |

Connection, equipotential bonding

| | |
|-------------------|---------------|
| Connection method | PVC litz wire |
|-------------------|---------------|

Standards and Regulations

| | |
|-----------------------|--------------|
| Standards/regulations | IEC 61643-21 |
|-----------------------|--------------|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000943 |
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |
| ETIM 5.0 | EC000943 |

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Classifications

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details



Accessories

Accessories

Flange coupling

Connector/Adapter - BNC-V 50 - 2805041



BNC connector, single-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

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Accessories

Connector/Adapter - BNC-DV 50 - 2805038



BNC connector, double-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

Drawings

Circuit diagram

