

CN-UB-70DC-6-SB

Order No.: 2803153



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2803153>

Attachment plug with surge protection for coaxial signal interfaces.
Connection: N connector, male/female

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4046356293204 |
| Pack | 1 pcs. |
| Weight/Piece | 0.0829 KG |
| Catalog page information | Page 168 (TT-2009) |

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Technical data

General

| | |
|--|---|
| Housing material | Brass (CuZn) |
| Color | nickel |
| Standards for air and creepage distances | DIN VDE 0110-1 IEC 60664-1: 1992-10 |
| Total surge current (8/20) μ s | 10 kA |
| Total surge current (10/350) μ s | 1 kA |
| Ambient temperature (operation) | -40 °C ... 90 °C |
| Mounting type | Connection-specific intermediate plugging |
| Design | Attachment plug |
| Degree of protection | IP68 |
| Direction of action | Line-Shield/Earth Ground |
| Width | 24.00 mm |

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|---|-------------------------------|
| Height | 49.90 mm |
| Length | 24.00 mm |
| Protective circuit | |
| IEC category | C2 |
| | C3 |
| | D1 |
| VDE requirement class | C2 |
| | C3 |
| | D1 |
| Max. operating voltage U_{max} | 70 V DC |
| Arrester rated voltage U_c | 70 V DC |
| | 50 V AC |
| Arrester rated voltage U_c (Core-Earth) | 70 V DC |
| | 50 V AC |
| Nominal current I_N | 10 A |
| Operating effective current I_c at U_c | $\leq 1 \mu A$ |
| Nominal discharge surge current I_n (8/20) μs (Core-Earth) | 5 kA |
| Nominal discharge surge current I_n (8/20) μs (Core-Shield) | 5 kA |
| Total surge current (8/20) μs | 10 kA |
| Max. discharge surge current I_{max} (8/20) μs maximum (Core-Earth) | 10 kA |
| Max. discharge surge current I_{max} (8/20) μs maximum (Core-Shield) | 10 kA |
| Nominal pulse current I_{an} (10/1000) μs (Core-Shield) | 100 A |
| Lightning test current (10/350) μs , peak value I_{imp} | 1 kA |
| Output voltage limitation at 1 kV/ μs (Core-Earth) spike | $\leq 650 V$ |
| Output voltage limitation at 1 kV/ μs (Core-Shield) spike | $\leq 650 V$ |
| Output voltage limitation at 1 kV/ μs (Core-Earth) static | $\leq 650 V$ |
| Output voltage limitation at 1 kV/ μs (Core-Shield) static | $\leq 650 V$ |
| Protection level U_p (Core-Earth) | $\leq 800 V$ (C2 (4 kV/2 kA)) |
| | $\leq 1 kV$ (C2 (10 kV/5 kA)) |

| | |
|---|--------------------------|
| Protection level U _p (Core-Shield) | ≤ 800 V (C2 (4 kV/2 kA)) |
| | ≤ 1 kV (C2 (10 kV/5 kA)) |
| Response time t _A (Core-Earth) | ≤ 100 ns |
| Response time t _A (Core-GND) | ≤ 100 ns |
| Input attenuation a _E , asym. | 0.1 dB (6 GHz) |
| Cut-off frequency f _g (3 dB), asym. (shield) in 50 Ohm system | > 6 GHz |
| Frequency range | 0 Hz ... 6 GHz |
| Standing wave ratio SWR in a 50 Ω system | Typ. 1.15 (6 GHz) |
| Permissible HF power P _{max.} at SWR=xx (50 Ohm system) | 30 W (VSWR = 1.15) |
| Capacity (Core-Earth) | Typ. 1.5 pF |
| Capacity asymmetrical (shield) | Typ. 1.5 pF |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) | C2 (10 kV/5 kA) |
| | C3 (100 A) |
| | D1 (1 kA) |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) | C2 (10 kV/5 kA) |
| | C3 (100 A) |
| | D1 (1 kA) |
| Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Shield) | 5 A - 1 s |

Connection data

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|---------------------|---------------------|
| Type of connection | N connector 50 Ω |
| Connection type IN | N connector, male |
| Connection type OUT | N connector, female |

Connection, protective circuit

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

Accessories

| Item | Designation | Description |
|-----------------|-------------------|---|
| Assembly | | |
| 2818135 | CN-UB/MP | Tongue for attaching the CN-UB..., to housing panels, for example. |
| 2803137 | CN-UB/MP-90DEG-50 | Angled bracket for individually fixing CN-UB... to housing panels, for example. |

Additional products

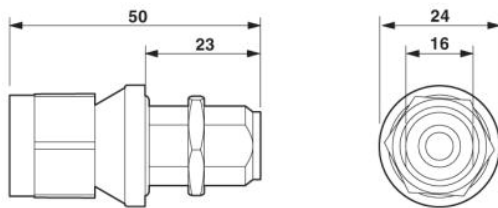
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Assembly

| | | |
|---------|----------|--|
| 2818135 | CN-UB/MP | Tongue for attaching the CN-UB..., to housing panels, for example. |
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Drawings

Dimensioned drawing



Address

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