

CN-UB-280DC-BB

Order No.: 2818850

The illustration shows version CN-UB-280DC-SB



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

| Commercial data | |
|--------------------------|--------------------|
| EAN | 4017918164027 |
| Pack | 1 pcs. |
| Customs tariff | 85363010 |
| Weight/Piece | 0.1359 KG |
| Catalog page information | Page 546 (IF-2007) |

Product notes

WEEE/RoHS-compliant since:
05/10/2006



| Technical data | |
|------------------|----------|
| General | |
| Housing material | Aluminum |
| Color | nickel |

| | |
|---|---|
| Standards for air and creepage distances | DIN VDE 0110-1 |
| | IEC 60664-1: 1992-10 |
| Surge voltage category | III |
| Pollution degree | 2 |
| Total surge current (8/20) μ s | 20 kA |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Mounting type | Connection-specific intermediate plugging |
| Design | Attachment plug |
| Degree of protection | IP55 |
| Direction of action | Line-Shield/Earth Ground |
| Width | 25.00 mm |
| Height | 67.00 mm |
| Length | 25.00 mm |
| Protective circuit | |
| IEC category | C2 |
| | C3 |
| | D1 |
| VDE requirement class | C2 |
| | C3 |
| | D1 |
| Max. operating voltage U_{max} | 280 V DC |
| Arrester rated voltage U_c | 280 V DC |
| | 195 V AC |
| Arrester rated voltage U_c (Core-Earth) | 280 V DC |
| | 195 V AC |
| Nominal current I_n | 5 A (25°C) |
| Operating effective current I_c at U_c | $\leq 1 \mu$ A |
| Nominal discharge surge current I_n (8/20) μ s (Core-Earth) | 20 kA |
| Nominal discharge surge current I_n (8/20) μ s (Core-Shield) | 20 kA |
| Total surge current (8/20) μ s | 20 kA |
| Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Shield) | 20 kA |
| Nominal pulse current I_{an} (10/1000) μ s (Core-Shield) | 100 A |

| | |
|--|--|
| Output voltage limitation at 1 kV/μs (Core-Earth) spike | ≤ 700 V |
| Output voltage limitation at 1 kV/μs (Core-Shield) spike | ≤ 700 V |
| Output voltage limitation at 1 kV/μs (Core-Earth) static | ≤ 700 V |
| Output voltage limitation at 1 kV/μs (Core-Shield) static | ≤ 700 V |
| Protection level U _p (Core-Earth) | ≤ 700 V (C2 (10 kV/5 kA)) |
| Protection level U _p (Core-Shield) | ≤ 700 V (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 (≤ 1.2 GHz) 0.2 dB (≤ 2.2 GHz) |
| Cut-off frequency f _g (3 dB), asym. (shield) in 50 Ohm system | > 3 GHz |
| Standing wave ratio SWR in a 50 Ω system | Typ. 1.1 (≤ 2 GHz) |
| Permissible HF power P _{max.} at SWR=xx (50 Ohm system) | 700 W (VSWR = 1.1) 200 W (VSWR = ∞) |
| 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 (2.5 kA) |

Connection data

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

Connection, protective circuit

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

Certificates / Approvals



Certification GOST, UL Listed

Certification Ex: CUL-EX, UL-EX

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

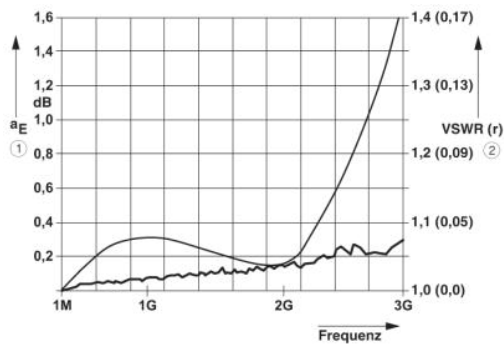
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Assembly

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

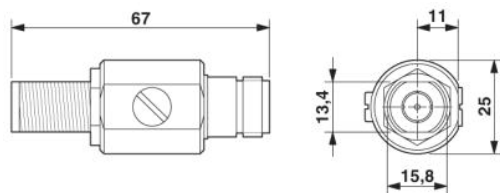
Drawings

Diagram

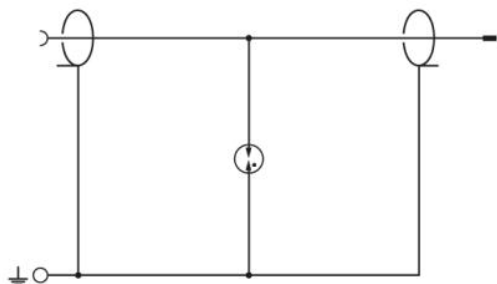


- ① Typische Dämpfungskennlinie CN-UB-280DC...
- ② Typisches VSWR am CN-UB-280DC...

Dimensioned drawing



Circuit diagram



Approval logo (Ex area)

