

## 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	
<b>General</b>	
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) $\mu$ 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
<b>Protective circuit</b>	
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) $\mu$ s (Core-Earth)	20 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Shield)	20 kA
Total surge current (8/20) $\mu$ s	20 kA
Max. discharge surge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Shield)	20 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu$ 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 <sub>p</sub> (Core-Earth)	≤ 700 V (C2 (10 kV/5 kA))
Protection level U <sub>p</sub> (Core-Shield)	≤ 700 V (C2 (10 kV/5 kA))
Response time t <sub>A</sub> (Core-Earth)	≤ 100 ns
Response time t <sub>A</sub> (Core-GND)	≤ 100 ns
Input attenuation aE, asym.	0.1 dB (≤ 1.2 GHz)
	0.2 dB (≤ 2.2 GHz)
Cut-off frequency f <sub>g</sub> (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 <sub>max.</sub> 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
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**Certificates / Approvals**



Certification GOST, UL Listed

Certification Ex: CUL-EX, UL-EX

**Accessories**

Item	Designation	Description
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**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**

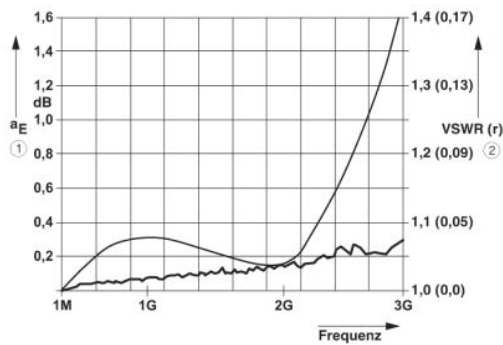
Item	Designation	Description
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**Assembly**

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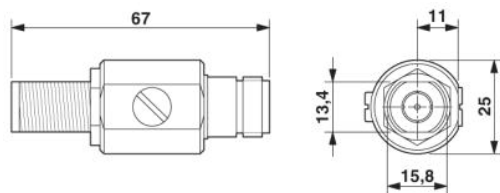
**Drawings**

Diagram



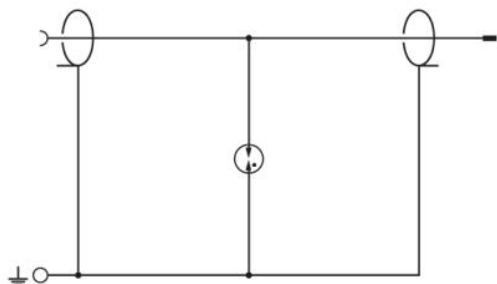
- ① Typische Dämpfungskennlinie CN-UB-280DC...
- ② Typisches VSWR am CN-UB-280DC...

Dimensioned drawing



Circuit diagram

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Approval logo (Ex area)

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