


**CN-UB-280DC-SB**

Order No.: 2818148

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2818148>

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

**Commercial data**

GTIN (EAN)	 4 017918 148379
sales group	J401
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 170 (TT-2011)

**Product notes**WEEE/RoHS-compliant since:  
05/05/2006

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**Technical data****General**

Housing material	Nickel-plated brass
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	72.00 mm
Length	25.00 mm

**Protective circuit**

IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage $U_c$	280 V DC
	195 V AC
Maximum continuous voltage $U_c$ (wire-ground)	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
Lightning test current (10/350) $\mu$ s, peak value $I_{imp}$	2.5 kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 700$ V

Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 700$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 700$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 700$ V
Protection level $U_p$ (Core-Earth)	$\leq 1.1$ kV (C2 - 10 kV / 5 kA)
	$\leq 700$ V (C1 - 1 kV/500 A)
Protection level $U_p$ (Core-Shield)	$\leq 1.1$ kV (C2 - 10 kV / 5 kA)
	$\leq 700$ V (C1 - 1 kV/500 A)
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 100$ ns
Input attenuation $a_E$ , asym.	Typ. 0.1 dB ( $\leq 1.2$ GHz)
	Typ. 0.2 dB ( $\leq 2.2$ GHz)
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	$> 3$ GHz
Standing wave ratio SWR in a 50 $\Omega$ system	Typ. 1.1 ( $\leq 2$ GHz)
Permissible HF power $P_{max}$ at SWR=xx (50 Ohm system)	700 W (VSWR = 1.1)
	200 W (VSWR = $\infty$ )
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)	C1 (1 kV / 500 A)
	C2 (10 kV/5 kA)
	C3 (100 A)
	D1 (2.5 kA)

#### Connection data

Connection method	N connector 50 $\Omega$
Connection type IN	N connector, male
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**

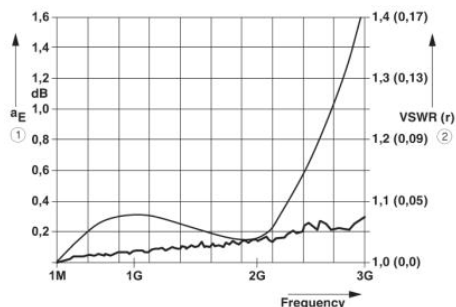
Item	Designation	Description
<b>Assembly</b>		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

**Additional products**

Item	Designation	Description
<b>Assembly</b>		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.

**Diagrams/Drawings**

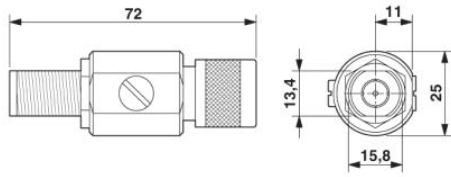
Diagram



① Typical attenuation curve for CN-UB-280DC...  
 ② Typical VSWR at CN-UB-280DC...

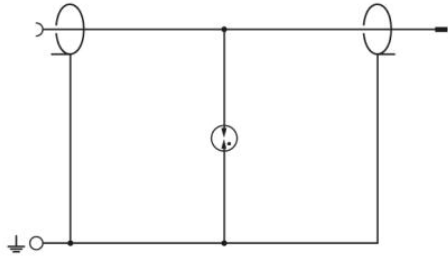
Dimensioned drawing

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Circuit diagram

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