


CN-UB-280DC-BB

Order No.: 2818850

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

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

Commercial data	
GTIN (EAN)	 4 017918 164027
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) 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
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) 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
Lightning test current (10/350) μ s, peak value I_{imp}	2.5 kA

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)	≤ 1.1 kV (C2 - 10 kV / 5 kA) ≤ 700 V (C1 - 1 kV/500 A)
Protection level U _p (Core-Shield)	≤ 1.1 kV (C2 - 10 kV / 5 kA) 700 V (C1 - 1 kV/500 A)
Response time t _A (Core-Earth)	≤ 100 ns
Response time t _A (Core-GND)	≤ 100 ns
Input attenuation a _E , asym.	Typ. 0.1 dB (≤ 1.2 GHz) Typ. 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)	C1 (1 kV / 500 A) C2 (10 kV/5 kA) C3 (100 A) D1 (2.5 kA)

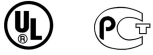
Connection data

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

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification: GOST, UL Listed
 Certification Ex: CUL-EX, UL-EX

Accessories

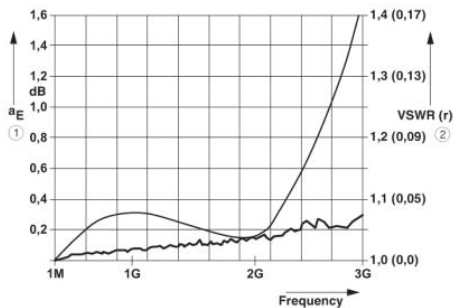
Item	Designation	Description
Assembly		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

Additional products

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

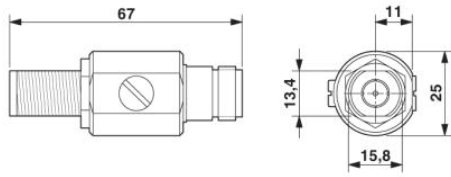
Diagrams/Drawings

Diagram

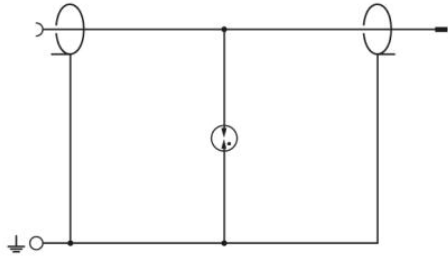


① Typical attenuation curve for CN-UB-280DC...
 ② Typical VSWR at CN-UB-280DC...

Dimensioned drawing



Circuit diagram



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