


# 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	
GTIN (EAN)	4 046356 293204 
sales group	J401
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 168 (TT-2009)

### Product notes

WEEE/RoHS-compliant since:  
09/04/2008



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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
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
Height	49.90 mm
Length	24.00 mm

**Protective circuit**

IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage $U_c$	70 V DC
	50 V AC
Maximum continuous voltage $U_c$ (wire-ground)	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) $\mu s$ (Core-Earth)	5 kA
Nominal discharge surge current $I_n$ (8/20) $\mu s$ (Core-Shield)	5 kA
Max. discharge surge current $I_{max}$ (8/20) $\mu s$ maximum (Core-Earth)	10 kA
Max. discharge surge current $I_{max}$ (8/20) $\mu s$ maximum (Core-Shield)	10 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu s$ (Core-Shield)	100 A
Lightning test current (10/350) $\mu s$ , peak value $I_{imp}$	1 kA
Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) spike	$\leq 650 V$
Output voltage limitation at 1 kV/ $\mu s$ (Core-Shield) spike	$\leq 650 V$
Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) static	$\leq 650 V$

Output voltage limitation at 1 kV/ $\mu$ s (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)	$\leq 800$ V (C2 (4 kV/2 kA)) $\leq 1$ kV (C2 (10 kV/5 kA))
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 100$ ns
Input attenuation aE, 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 $\Omega$ 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
<b>Connection data</b>	
Type of connection	N connector 50 $\Omega$
Connection type IN	N connector, male
Connection type OUT	N connector, female
<b>Connection, protective circuit</b>	
Standards/regulations	IEC 61643-21

**Certificates / Approvals**



Certification GOST

**Accessories**

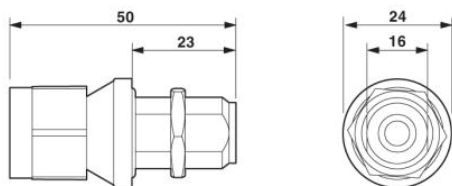
Item	Designation	Description
<b>Assembly</b>		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

**Additional products**

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

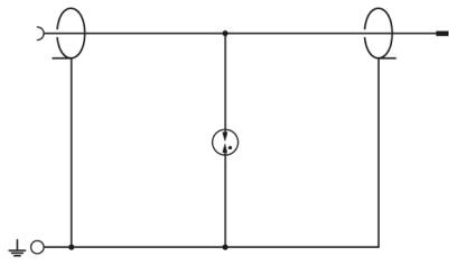
**Diagrams/Drawings**

Dimensioned drawing



Circuit diagram

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