

CN-UB-70DC-6-BB

Order No.: 2803166

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2803166>

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

Commercial data

EAN	4046356293211
Pack	1 pcs.
Weight/Piece	0.075 KG
Catalog page information	Page 168 (TT-2009)

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General

Housing material	Brass (CuZn)
Color	nickel
Standards for air and creepage distances	DIN VDE 0110-1 IEC 60664-1: 1992-10
Total surge current (8/20) μ s	10 kA
Total surge current (10/350) μ s	1 kA
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	47.00 mm
Length	24.00 mm
Protective circuit	
IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Max. operating voltage $U_{\max}$	70 V DC
Arrester rated voltage U_c	70 V DC
	50 V AC
Arrester rated voltage U_c (Core-Earth)	70 V DC
	50 V AC
Nominal current I_N	10 A
Operating effective current I_c at U_c	$\leq 1 \mu\text{A}$
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	5 kA
Nominal discharge surge current I_n (8/20) μs (Core-Shield)	5 kA
Total surge current (8/20) μs	10 kA
Max. discharge surge current $I_{\max}$ (8/20) μs maximum (Core-Earth)	10 kA
Max. discharge surge current $I_{\max}$ (8/20) μs maximum (Core-Shield)	10 kA
Nominal pulse current I_{an} (10/1000) μs (Core-Shield)	100 A
Lightning test current (10/350) μs , peak value I_{imp}	1 kA
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 650 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Shield) spike	$\leq 650 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 650 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Shield) static	$\leq 650 \text{ V}$
Protection level U_p (Core-Earth)	$\leq 800 \text{ V}$ (C2 (4 kV/2 kA))
	$\leq 1 \text{ kV}$ (C2 (10 kV/5 kA))

Protection level U _p (Core-Shield)	≤ 800 V (C2 (4 kV/2 kA))
	≤ 1 kV (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 (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 Ω 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

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
-----------------------	--------------

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

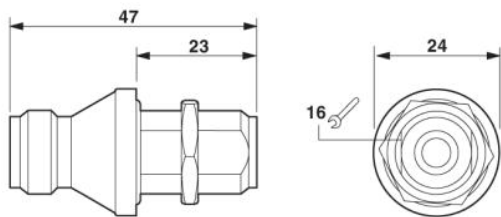
Item	Designation	Description
------	-------------	-------------

Assembly

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

Drawings

Dimensioned drawing



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2009 Phoenix Contact
Technical modifications reserved;