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Extract from the online catalog


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



<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
Ambient temperature (operation)	-40 °C ... 90 °C

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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	$\leq 1 \mu\text{A}$
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
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	$\leq 650 \text{ V}$

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Output voltage limitation at 1 kV/ μ s (Core-Shield) static	≤ 650 V
Protection level U_p (Core-Earth)	≤ 800 V (C2 (4 kV/2 kA))
	≤ 1 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 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 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, male
Connection type OUT	N connector, female

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification

GOST

Accessories

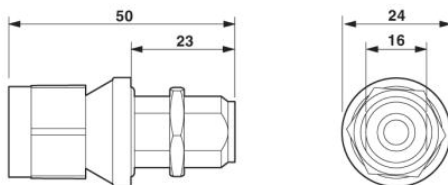
Item	Designation	Description
Assembly		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

Additional products

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

Diagrams/Drawings

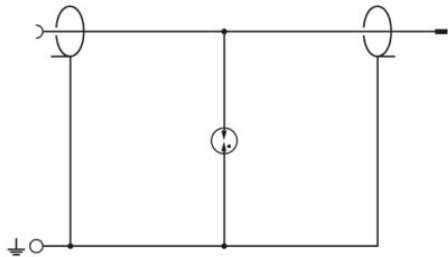
Dimensioned drawing



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<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2803153>

Circuit diagram



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