


**C-UB/E**

Order No.: 2763701

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2763701>

Attachment plug with surge protection, for coaxial signal interfaces  
with floating shield. Connection: BNC female/male connector

Commercial data	
GTIN (EAN)	 4 017918 065638
sales group	J401
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 171 (TT-2011)

## Product notes

WEEE/RoHS-compliant since:  
04/12/2006

[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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## Technical data

General	
Housing material	Aluminum
Color	black
Standards for air and creepage distances	DIN VDE 0110-1 IEC 60664-1: 1992-10

Total surge current (8/20) $\mu$ s	10 kA
Ambient temperature (operation)	-40 °C ... 80 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP20
Direction of action	Line-Shield/Earth Ground
Width	25.40 mm
Height	80.00 mm
Length	2.54 mm
<b>Protective circuit</b>	
IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage $U_C$	180 V DC
	130 V AC
Maximum continuous voltage $U_C$ (wire-ground)	180 V DC
	130 V AC
Nominal current $I_N$	3.5 A (25°C)
Operating effective current $I_C$ at $U_C$	$\leq 1 \mu$ A
Ground conductor current $I_{PE}$	$\leq 2 \mu$ 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
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Shield-Earth)	5 kA
Total surge current (8/20) $\mu$ s	10 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (Core-Earth)	100 A
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 470$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 590$ V

Output voltage limitation at 1 kV/ $\mu$ s (Shield-Earth) spike	$\leq 470$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 470$ V
	$\leq 33$ V
Output voltage limitation at 1 kV/ $\mu$ s (Shield-Earth) static	$\leq 33$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 160$ V (1.5 m cable)
Residual voltage at $I_n$ , (conductor-shield)	$\leq 55$ V
Residual voltage at $I_n$ , (shield-ground)	$\leq 160$ V (1.5 m cable)
Protection level $U_p$ (Core-Earth)	$\leq 500$ V (C2, 10 kV/5 kA)
Protection level $U_p$ (Core-Shield)	$\leq 700$ V (C2, 10 kV/5 kA)
Protection level $U_p$ (Shield-Earth)	$\leq 500$ V (C2, 10 kV/5 kA)
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 100$ ns
Response time $t_A$ (Shield-Earth)	$\leq 100$ ns
Input attenuation $a_E$ , asym.	0.1 dB ( $\leq 100$ MHz)
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	Typ. 1 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	Typ. 1.3 ( $\leq 150$ MHz)
Permissible HF power $P_{max}$ at SWR=xx (50 Ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = $\infty$ )
Capacity asymmetrical (shield)	7 pF (typical)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Shield-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)
<b>Connection data</b>	
Connection method	BNC 50 $\Omega$
Connection type IN	BNC socket
Connection type OUT	BNC plug
<b>Connection, equipotential bonding</b>	
Connection method	PVC litz wire

**Connection, protective circuit**

Standards/regulations	IEC 61643-21
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**Certificates / Approvals**



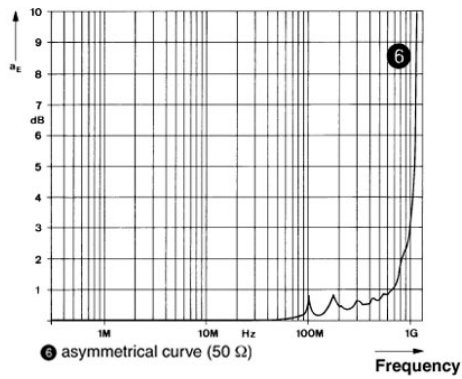
Certification	GOST
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**Accessories**

Item	Designation	Description
<b>Plug/Adapter</b>		
2805038	BNC-DV 50	BNC connector, double-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm
2805041	BNC-V 50	BNC connector, single-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

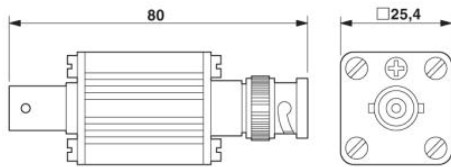
**Diagrams/Drawings**

Diagram



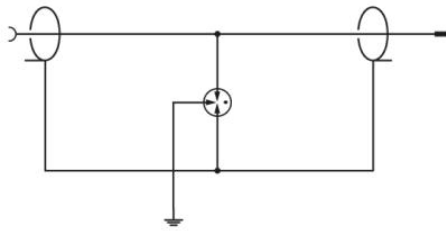
Dimensioned drawing

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Circuit diagram

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