

C-UFB-24DC/E

Order No.: 2782313

The illustration shows version C-UFB- 5DC/E

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Attachment plug with surge voltage coarse and fine protection, for coaxial signal interfaces with floating shield, signal voltage 24 V.
Connection: BNC female/male connector

Commercial data

GTIN (EAN)	 4 017918 069452
Note	Made-to-order
sales group	J401
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 174 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
08/01/2006



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Technical data

General

Housing material	Aluminum
Color	black

Standards for air and creepage distances	VDE 0110-1
	IEC 60664-1: 1992-10
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	IP20
Direction of action	Line-Shield/Earth Ground
Width	25.40 mm
Height	93.00 mm
Length	25.40 mm

Protective circuit

IEC category	C2
	C3
	D1
Maximum continuous operating voltage U_c	30 V DC
Maximum continuous voltage U_c (wire-shield)	30 V DC
Nominal current I_N	185 mA (25°C)
Operating effective current I_c at U_c	$\leq 10 \mu$ A
Ground conductor current I_{PE}	$\leq 2 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	10 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Shield)	10 kA
Total surge current (8/20) μ s	20 kA
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 500 V
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	≤ 160 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 500 V
Output voltage limitation at 1 kV/ μ s (Core-Shield) static	≤ 42 V
Residual voltage at I_n , (conductor-ground)	≤ 50 V (10 cm cable)
Residual voltage at I_n , (conductor-shield)	≤ 43 V
Protection level U_p (Core-Earth)	≤ 450 V
Protection level U_p (Core-Shield)	≤ 35 V

Response time tA (Core-Earth)	≤ 100 ns
Response time tA (Core-GND)	≤ 500 ns
Input attenuation aE, asym.	1.7 dB (≤ 20 MHz)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	Typ. 170 MHz
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA) D1 (2.5 kA)

Connection data

Type of connection	BNC 50 Ω
Connection type IN	BNC socket
Connection type OUT	BNC plug

Connection, equipotential bonding

Type of connection	PVC litz wire
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Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



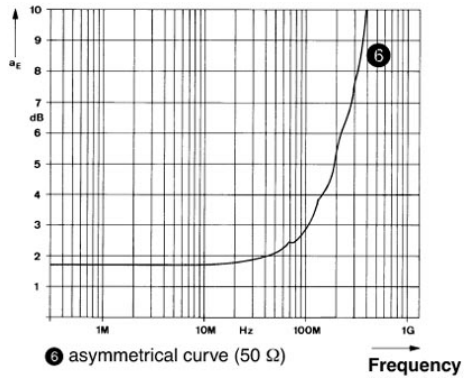
Certification GOST

Accessories

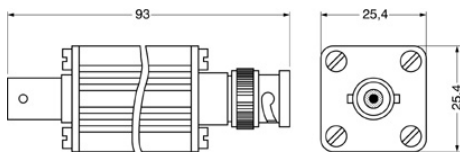
Item	Designation	Description
Plug/Adapter		
2805038	BNC-DV 50	BNC connector, double-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm
2805041	BNC-V 50	BNC connector, single-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

Diagrams/Drawings

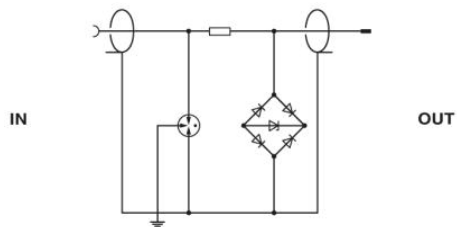
Diagram



Dimensioned drawing



Circuit diagram



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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