

C-UFB- 5DC/E-LAN

Order No.: 2809487



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Attachment plug with surge protection for LAN interfaces, connection: BNC female/male connector

Commercial data

GTIN (EAN)	 4 017918 076436
sales group	J401
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 121 (TT-2007)

Product notes

WEEE/RoHS-compliant since: 03/01/2008



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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	10 kA

Ambient temperature (operation)	-40 °C ... 80 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Number of positions	1
Degree of protection	IP20
Direction of action	Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Width	25.40 mm
Height	93.00 mm
Length	25.40 mm

Protective circuit

IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous voltage U_C (wire-wire)	- 7.5 V DC (core-shield)
Maximum continuous voltage U_C (wire-shield)	0.5 V DC (- 7.5 V DC)
Nominal current I_N	500 mA (25°C)
Operating effective current I_C at U_C	$\leq 100 \mu A$
Ground conductor current I_{PE}	$\leq 1 \mu A$
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	10 kA
Nominal discharge surge current I_n (8/20) μs (Core-Shield)	10 kA
Nominal discharge surge current I_n (8/20) μs (Shield-Earth)	10 kA
Total surge current (8/20) μs	10 kA
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 600 V$
Output voltage limitation at 1 kV/ μs (Core-Core) static	$\leq 12 V$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 600 V$
Residual voltage at I_n , (conductor-conductor)	$\leq 25 V$
Residual voltage at I_n , (conductor-ground)	$\leq 400 V$
Protection level U_P (Core-Core)	$\leq 25 V$ (core-shield)

Protection level U_p (Core-Earth)	$\leq 600 \text{ V}$
Response time t_A (Core-Core)	$\leq 1 \text{ ns}$
Response time t_A (Core-Earth)	$\leq 100 \text{ ns}$
Input attenuation a_E , asym.	0.3 dB ($\leq 40 \text{ MHz} / 50 \Omega$)
Cut-off frequency f_g (3 dB), asym. (PE) in 100 Ohm system	Typ. 200 MHz ($50 \Omega / \text{core shield}$)
Cut-off frequency f_g (3 dB), asym. (shield) in 100 Ohm system	Typ. 200 MHz (50Ω)
Capacity (Core-GND)	25 pF ($f = 1 \text{ MHz} / V_R = 0 \text{ V}$)
Resistance in series	$2.35 \Omega \pm 10 \%$
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 (10 kV/5 kA)
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 50Ω
Connection type IN	BNC socket
Connection type OUT	BNC plug

Connection, protective circuit

Standards/regulations	IEC 61643-21
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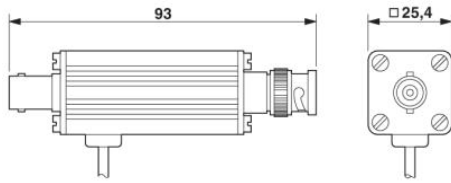
Certificates / Approvals

Certification

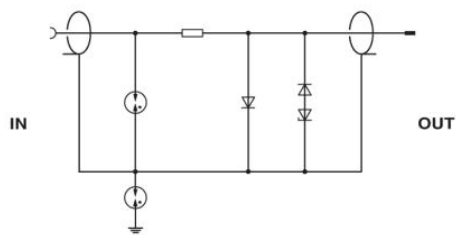
GOST

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



Address

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



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