


# C-UFB- 5DC/E-LAN

Order No.: 2809487



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2809487>

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) $\mu$ 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
<b>Protective circuit</b>	
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 $U_C$	$\leq 100 \mu\text{A}$
Ground conductor current $I_{PE}$	$\leq 1 \mu\text{A}$
Nominal discharge surge current $I_n$ (8/20) $\mu\text{s}$ (Core-Earth)	10 kA
Nominal discharge surge current $I_n$ (8/20) $\mu\text{s}$ (Core-Shield)	10 kA
Nominal discharge surge current $I_n$ (8/20) $\mu\text{s}$ (Shield-Earth)	10 kA
Total surge current (8/20) $\mu\text{s}$	10 kA
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) spike	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Core) static	$\leq 12 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) static	$\leq 600 \text{ V}$
Residual voltage at $I_n$ , (conductor-conductor)	$\leq 25 \text{ V}$
Residual voltage at $I_n$ , (conductor-ground)	$\leq 400 \text{ V}$
Protection level $U_P$ (Core-Core)	$\leq 25 \text{ V}$ (core-shield)

Protection level $U_p$ (Core-Earth)	$\leq 600$ V
Response time $t_A$ (Core-Core)	$\leq 1$ ns
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Input attenuation $a_E$ , asym.	0.3 dB ( $\leq 40$ MHz / $50 \Omega$ )
Cut-off frequency $f_g$ (3 dB), asym. (PE) in 100 Ohm system	Typ. 200 MHz ( $50 \Omega$ / core shield)
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 100 Ohm system	Typ. 200 MHz ( $50 \Omega$ )
Capacity (Core-GND)	25 pF ( $f = 1$ MHz / $V_R = 0$ 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 $50 \Omega$
Connection type IN	BNC socket
Connection type OUT	BNC plug

**Connection, protective circuit**

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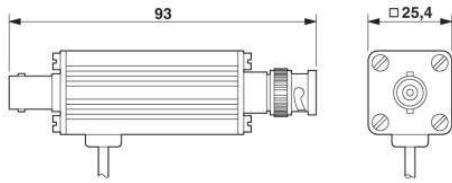
**Certificates / Approvals**

Certification

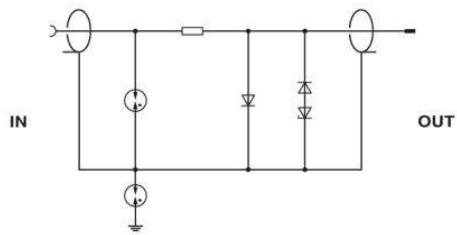
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## Diagrams/Drawings

### Dimensioned drawing



### Circuit diagram



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