

## C-UFB-24DC/E

Order No.: 2782313

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



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	
EAN	4017918069452
Pack	10 pcs.
Customs tariff	85363010
Weight/Piece	0.11369 KG
Catalog page information	Page 158 (TT-2007)

### Product notes

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



Technical data	
<b>General</b>	
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	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
<b>Protective circuit</b>	
IEC category	C2
	C3
	D1
Arrester rated voltage $U_c$	30 V DC
Arrester rated voltage $U_c$ (Core-Shield)	30 V DC
Nominal current $I_N$	185 mA (25°C)
Operating effective current $I_c$ at $U_c$	$\leq 10 \mu$ A
Discharge current to PE at $U_c$	$\leq 2 \mu$ A
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)	10 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Shield)	10 kA
Total surge current (8/20) $\mu$ s	20 kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 500$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 160$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 500$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 42$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 50$ V (10 cm cable)
Residual voltage at $I_n$ , (conductor-shield)	$\leq 43$ V
Protection level $U_p$ (Core-Earth)	$\leq 450$ V
Protection level $U_p$ (Core-Shield)	$\leq 35$ V

Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 500$ ns
Input attenuation $a_E$ , asym.	1.7 dB ( $\leq 20$ MHz)
Cut-off frequency $f_g$ (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 $\Omega$
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**

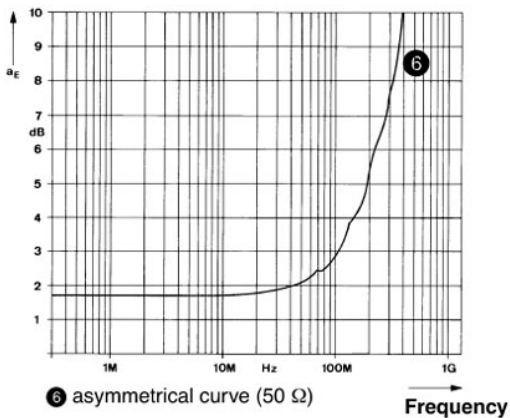


Certification

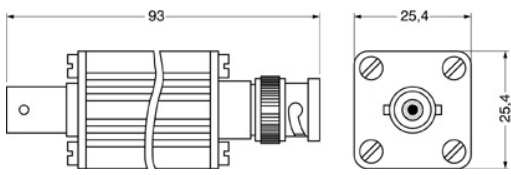
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**Drawings**

Diagram



Dimensioned drawing



Circuit diagram

