

D-UFB-V24/SB-S - Surge protection device



2782038

<https://www.phoenixcontact.com/us/products/2782038>

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Attachment plug with surge protection for V.24 interface. Connection: D-SUB-25 male/female plug, for direct assembly on the device interface



The figure shows version D-UFB-V24/SB-B

Commercial data

Item number	2782038
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL03
Product key	CL3113
GTIN	4017918069278
Weight per piece (including packing)	105.1 g
Weight per piece (excluding packing)	105.1 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

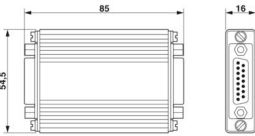
Product properties

IEC test classification	C2
	C3
VDE requirement class	C2
	C3
Type	Intermediate plug

Connection data

Connection method	D-SUB 25
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Dimensions

Dimensional drawing	
Width	24.5 mm
Height	54.5 mm
Length	84.6 mm

Material specifications

Housing material	Aluminum
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Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Maximum continuous voltage U_C (line-earth)	15 V DC
Nominal current I_N	260 mA (25 °C)
Operating effective current I_C at U_C	$\leq 6 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-ground)	5 kA
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-shield) spike	$\leq 24 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-signal ground) static	$\leq 24 \text{ V}$
Residual voltage at I_n (line-signal ground)	$\leq 21 \text{ V}$
Voltage protection level U_p (line-earth)	$\leq 600 \text{ V}$
Voltage protection level U_p (line-signal ground)	$\leq 24 \text{ V}$

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Response time t_A (line-earth)	≤ 100 ns
Response time t_A (line-signal ground)	≤ 1 ns
Cut-off frequency f_g (3 dB), asym. (signal ground) in 50 Ω system	3.5 MHz (typical)
Cut-off frequency f_g (3 dB), asym. (signal ground) in 600 Ω system	300 kHz (typical)
Resistance per path	20 Ω (Path 2-2)
	20 Ω (Path 3-3)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C

Standards and regulations

VDE requirement class	C2
	C3

Standards Information technology specification

Standards/regulations	IEC 61643-21
	IEC 61643-21

Mounting

Mounting type	Direct assembly on the device interface
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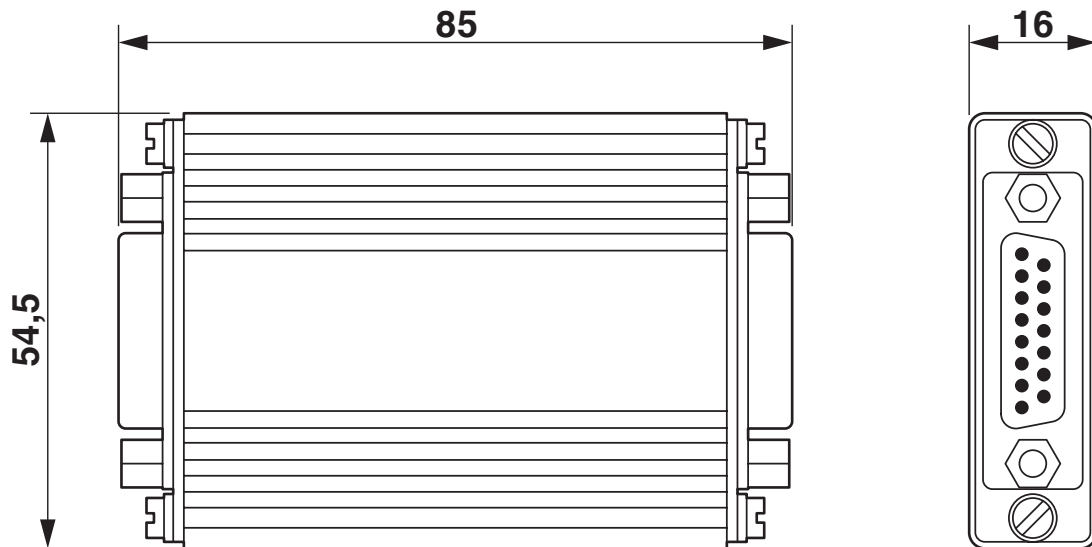
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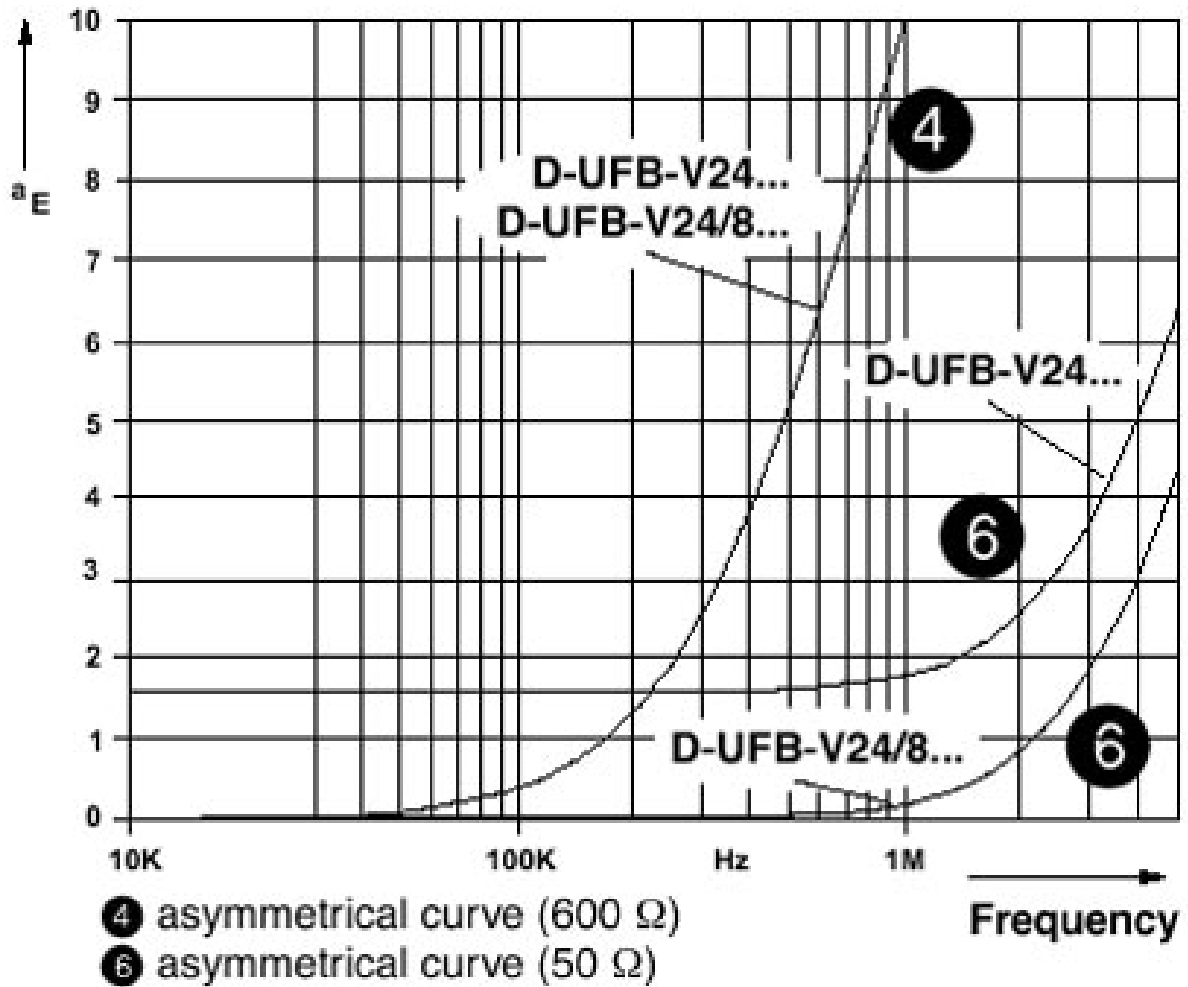


Drawings

Dimensional drawing



Diagram



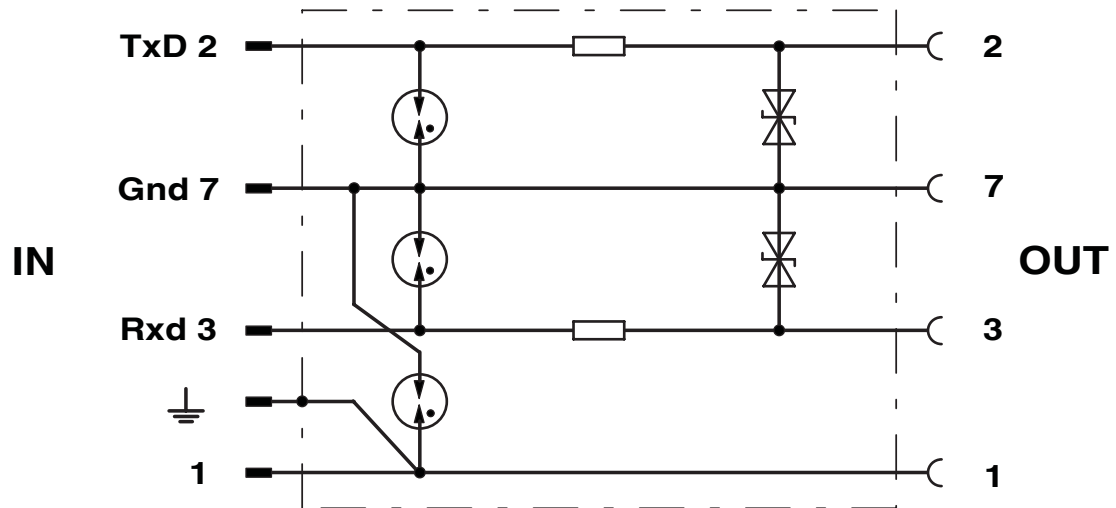
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Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com