

C-UFB-24DC/1 - Surge protection device

2782630

<https://www.phoenixcontact.com/us/products/2782630>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Attachment plug with quick-responding surge voltage coarse and fine protection, for coaxial signal interfaces, signal voltage 24 V. Connection: BNC socket/plug

Commercial data

Item number	2782630
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CL3313
GTIN	4017918069674
Weight per piece (including packing)	65.69 g
Weight per piece (excluding packing)	0.64 g
Customs tariff number	85363010
Country of origin	DE

C-UFB-24DC/1 - Surge protection device

2782630

<https://www.phoenixcontact.com/us/products/2782630>

Technical data

Product properties

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Type	Intermediate plug

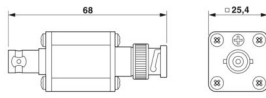
Electrical properties

Nominal voltage U_N	24 V DC
-----------------------	---------

Connection data

Connection method	BNC 50 Ω
-------------------	-----------------

Dimensions

Dimensional drawing	
Width	25.4 mm
Height	68 mm
Length	25.4 mm

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Protective circuit

Direction of action	Line-Shield/Earth Ground
Nominal voltage U_N	24 V DC
Maximum continuous voltage U_C (line-earth)	30 V DC
Nominal current I_N	185 mA (25 °C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-signal ground)	10 kA
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 45 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 45 \text{ V}$
Residual voltage at I_n (line-signal ground)	$\leq 50 \text{ V}$
Voltage protection level U_p (line-earth)	$\leq 50 \text{ V}$
Response time t_A (line-earth)	$\leq 1 \text{ ns}$
Cut-off frequency f_g (3 dB), asym. (PE) in 50 Ω system	20 MHz

C-UFB-24DC/1 - Surge protection device



2782630

<https://www.phoenixcontact.com/us/products/2782630>

Resistance per path	22 Ω
---------------------	-------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C

Standards and regulations

VDE requirement class	C2
	C3
	D1

Standards Information technology specification

Standards/regulations	Draft IEC 64644-1
	E VDE 0845-3-1
	Draft IEC 64644-1
	E VDE 0845-3-1

Mounting

Mounting type	Connection-specific intermediate plugging
---------------	---

C-UFB-24DC/1 - Surge protection device

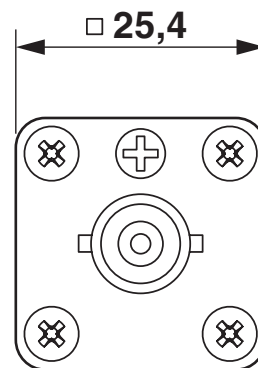
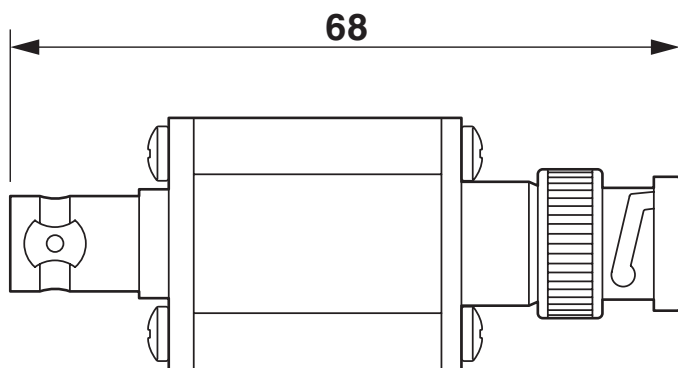
2782630

<https://www.phoenixcontact.com/us/products/2782630>

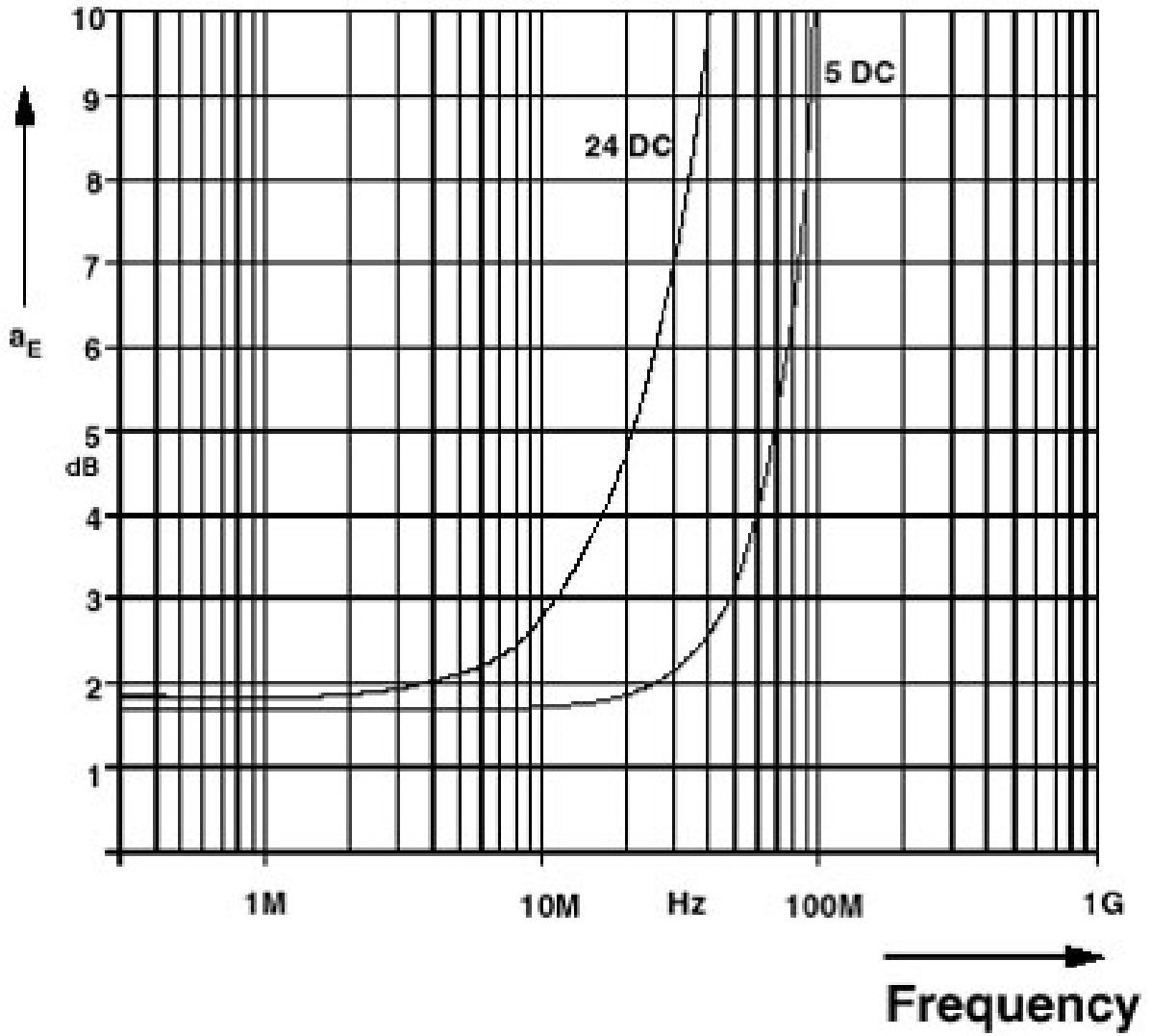


Drawings

Dimensional drawing



Diagram



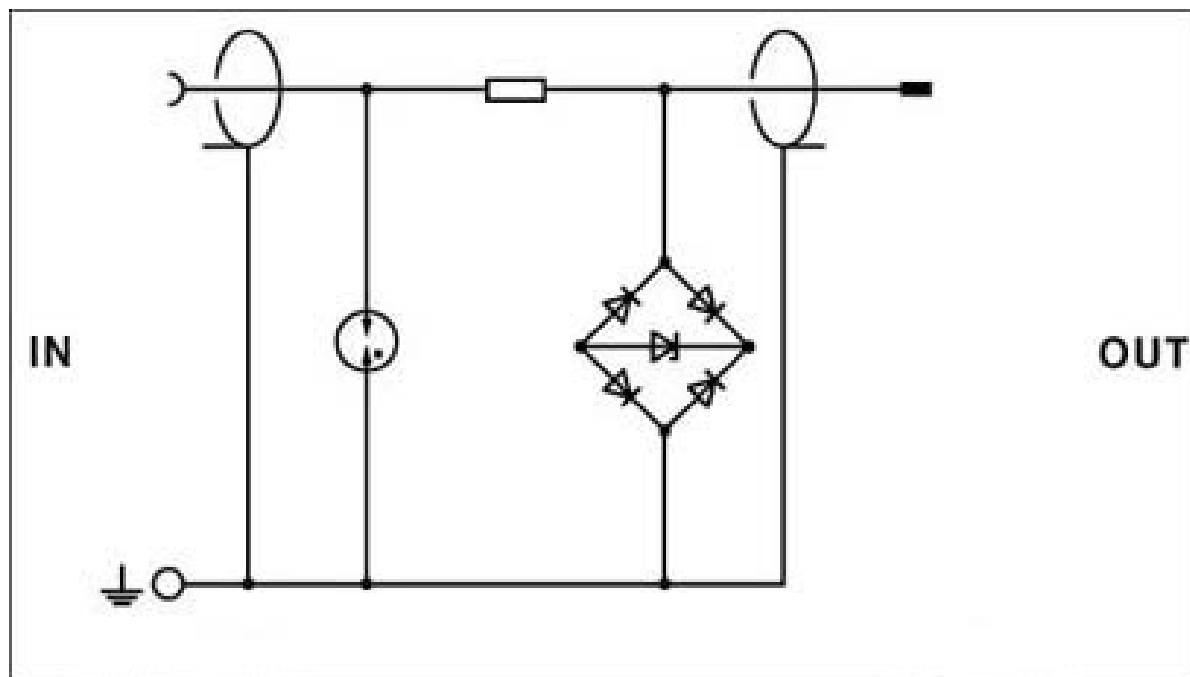
C-UFB-24DC/1 - Surge protection device

2782630

<https://www.phoenixcontact.com/us/products/2782630>



Circuit diagram



C-UFB-24DC/1 - Surge protection device



2782630

<https://www.phoenixcontact.com/us/products/2782630>

Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com