

C-UB/E - Surge protection device



2763701

<https://www.phoenixcontact.com/us/products/2763701>

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 surge protection, for coaxial signal interfaces with floating shield.
Connection: BNC socket/plug

Commercial data

Item number	2763701
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL03
Product key	CL3316
GTIN	4017918065638
Weight per piece (including packing)	102.4 g
Weight per piece (excluding packing)	102.4 g
Customs tariff number	85363010
Country of origin	DE

C-UB/E - Surge protection device

2763701

<https://www.phoenixcontact.com/us/products/2763701>



Technical data

Notes

General

Note	To meet the discharge conditions for DC voltages, please note the following information: "The surge protective device should be used together with a transmitter unit, which shuts down in the event of a short-circuit."
------	---

Product properties

Product type	Surge protection for transceiver systems
IEC test classification	C2
	C3
	D1
Type	Intermediate plug
Surge protection fault message	none

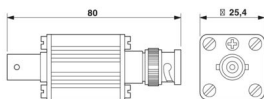
Insulation characteristics

Overvoltage category	II
Pollution degree	2

Connection data

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

Dimensions

Dimensional drawing	
Width	25.4 mm
Height	25.4 mm
Depth	80 mm

Material specifications

Color	black (RAL 9005)
Housing material	Aluminum

Mechanical properties

Mechanical data

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

Protective circuit

Direction of action	Line-Shield/Earth Ground
Maximum continuous operating voltage U_C	180 V DC

C-UB/E - Surge protection device



2763701

<https://www.phoenixcontact.com/us/products/2763701>

	130 V AC
Rated current	3.5 A (25 °C)
Operating effective current I_C at U_C	$\leq 1 \mu A$
Protective conductor current I_{PE}	$\leq 2 \mu A$
Nominal discharge current I_n (8/20) μs (line-ground)	5 kA
Nominal discharge current I_n (8/20) μs (line-shield)	5 kA
Nominal discharge current I_n (8/20) μs (shield-ground)	5 kA
Pulse discharge current I_{imp} (10/350) μs (line-earth)	2.5 kA
Pulse discharge current I_{imp} (10/350) μs (line-shield)	2.5 kA
Total discharge current I_{Total} (8/20) μs	10 kA
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ μs (line-shield) spike	$\leq 590 V$
Output voltage limitation at 1 kV/ μs (shield-ground) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 33 V$
Output voltage limitation at 1 kV/ μs (line-shield) static	$\leq 33 V$
Output voltage limitation at 1 kV/ μs (shield-ground) static	$\leq 33 V$
Residual voltage at I_n (conductor-ground)	$\leq 160 V$ (1.5 m cable)
Residual voltage at I_n (conductor-shield)	$\leq 55 V$
Residual voltage at I_n (shield-ground)	$\leq 160 V$ (1.5 m cable)
Voltage protection level U_p (line-earth)	$\leq 500 V$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	$\leq 700 V$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (shield-ground)	$\leq 500 V$ (C2 - 10 kV / 5 kA)
Response time t_A	$\leq 100 ns$
Input attenuation aE, asym.	typ. 0.1 dB ($\leq 100 MHz / 50 \Omega$)
Cut-off frequency f_g (3 dB), asym. (shield) in 50 Ω system	typ. 1 GHz
Voltage standing wave ratio VSWR in a 50 Ω system	typ. 1.30 ($\leq 150 MHz$)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	typ. 6 pF
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 2.5 kA
Impulse durability (line-shield)	C2 - 10 kV/5 kA
	C3 - 100 A
	D1 - 2.5 kA

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	$\leq 2000 m$ (amsl)

Standards and regulations

C-UB/E - Surge protection device



2763701

<https://www.phoenixcontact.com/us/products/2763701>

Standards/specifications	IEC 61643-21
Note	2012
Standards/specifications	EN 61643-21
Note	2013

Mounting

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

C-UB/E - Surge protection device

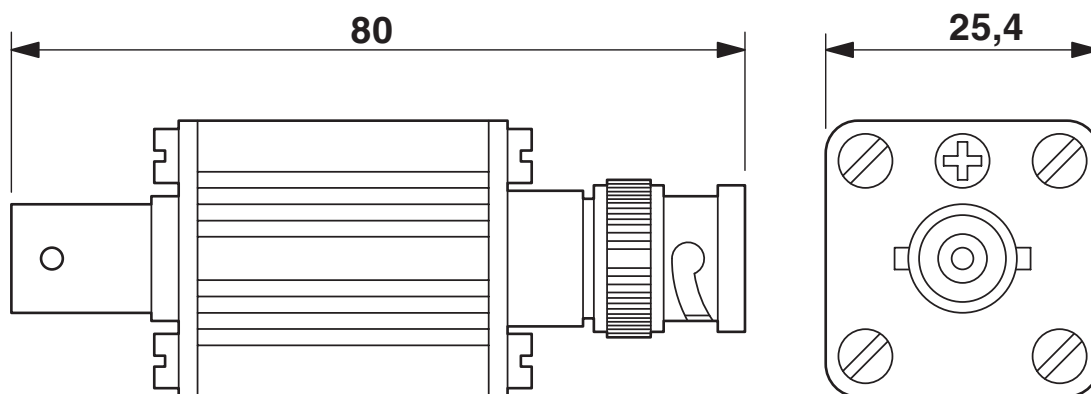
2763701

<https://www.phoenixcontact.com/us/products/2763701>

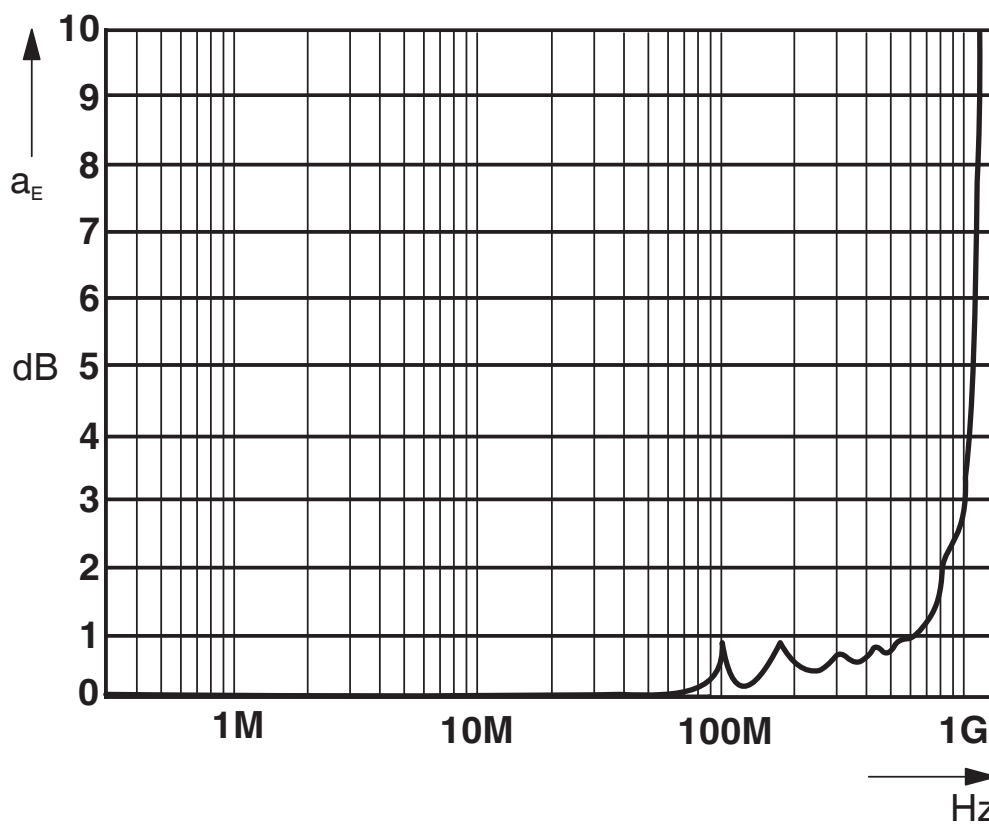


Drawings

Dimensional drawing



Diagram



The figure shows the asymmetrical characteristic curve for 50

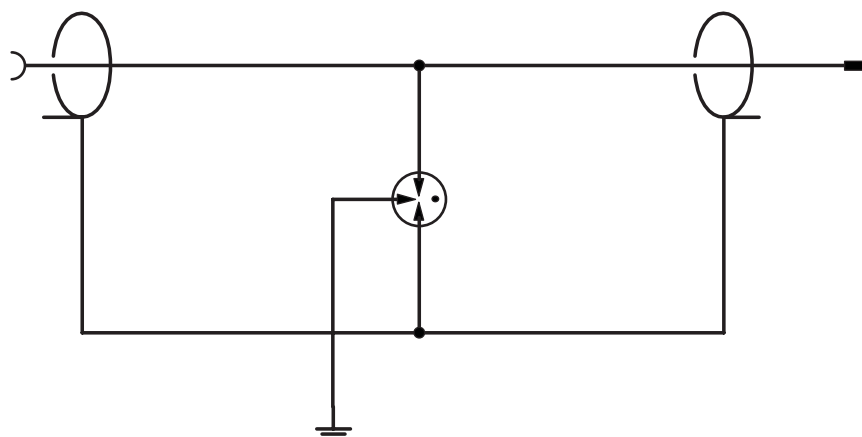
C-UB/E - Surge protection device

2763701

<https://www.phoenixcontact.com/us/products/2763701>



Circuit diagram



C-UB/E - Surge protection device



2763701

<https://www.phoenixcontact.com/us/products/2763701>

Classifications

ECLASS

ECLASS-13.0	27171504
ECLASS-15.0	27171504

ETIM

ETIM 10.0	EC001466
-----------	----------

UNSPSC

UNSPSC 21.0	39121600
-------------	----------

C-UB/E - Surge protection device



2763701

<https://www.phoenixcontact.com/us/products/2763701>

Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
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