

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

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: N connector socket/plug

Commercial data

Item number	2763691
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CL3311
Catalog page	Page 201 (C-4-2019)
GTIN	4017918099527
Weight per piece (including packing)	154.5 g
Weight per piece (excluding packing)	154.5 g
Customs tariff number	85363010
Country of origin	DE

CN-UB/E - Surge protection device

2763691

<https://www.phoenixcontact.com/pc/products/2763691>



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

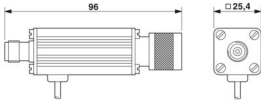
Product type	Surge protection for transceiver systems
IEC test classification	C2
	C3
	D1
Type	Attachment plug
Surge protection fault message	none

Insulation characteristics	
Overvoltage category	II
Pollution degree	2

Connection data

Connection method	N connector 50 Ω
-------------------	------------------

Dimensions

Dimensional drawing	
	
Width	25.4 mm
Height	25.4 mm
Depth	96 mm

Material specifications

Color	black (RAL 9005)
Housing material	Aluminum

Mechanical properties

Mechanical data	
Open side panel	No

Protective circuit

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Direction of action	Line-Shield/Earth Ground
Maximum continuous voltage U_C	180 V DC
	130 V AC
Rated current	5 A (25 °C)
Operating effective current I_C at U_C	$\leq 1 \mu A$
Residual 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	≤ 470 V
Output voltage limitation at 1 kV/ μs (line-shield) spike	≤ 590 V
Output voltage limitation at 1 kV/ μs (shield-ground) spike	≤ 470 V
Output voltage limitation at 1 kV/ μs (line-earth) static	≤ 33 V
Output voltage limitation at 1 kV/ μs (line-shield) static	≤ 33 V
Output voltage limitation at 1 kV/ μs (shield-ground) static	≤ 33 V
Residual voltage at I_n (conductor-ground)	≤ 160 V (1.5 m cable)
Residual voltage at I_n (conductor-shield)	≤ 55 V
Residual voltage at I_n (shield-ground)	≤ 160 V (1.5 m cable)
Voltage protection level U_p (line-earth)	≤ 500 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	≤ 700 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (shield-ground)	≤ 500 V (C2 - 10 kV / 5 kA)
Response time t_A	≤ 100 ns
Input attenuation aE, asym.	typ. 0.1 dB (≤ 100 MHz/50 Ω)
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. 1.20 (≤ 200 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	typ. 7 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

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Altitude	≤ 2000 m (amsl)
----------	-----------------

Standards and regulations

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

Mounting

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

CN-UB/E - Surge protection device

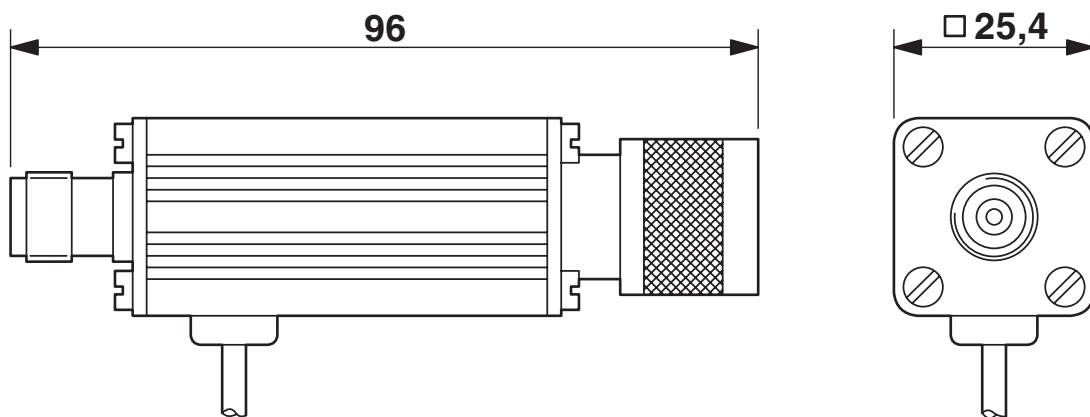
2763691

<https://www.phoenixcontact.com/pc/products/2763691>

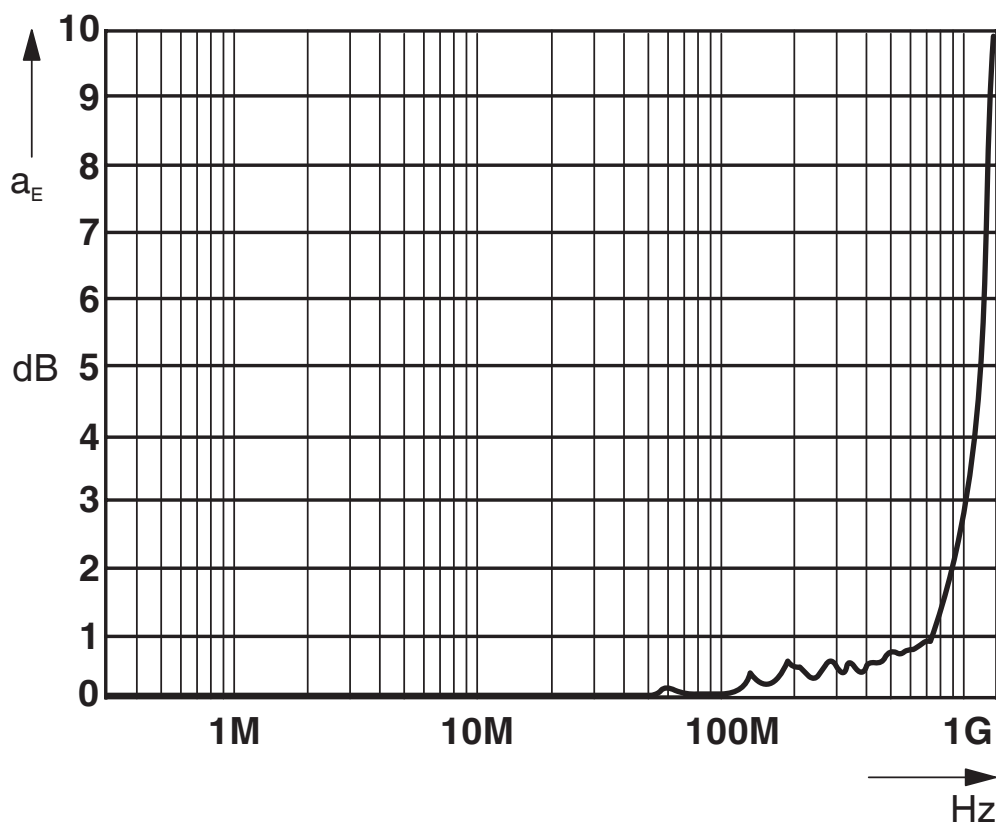


Drawings

Dimensional drawing

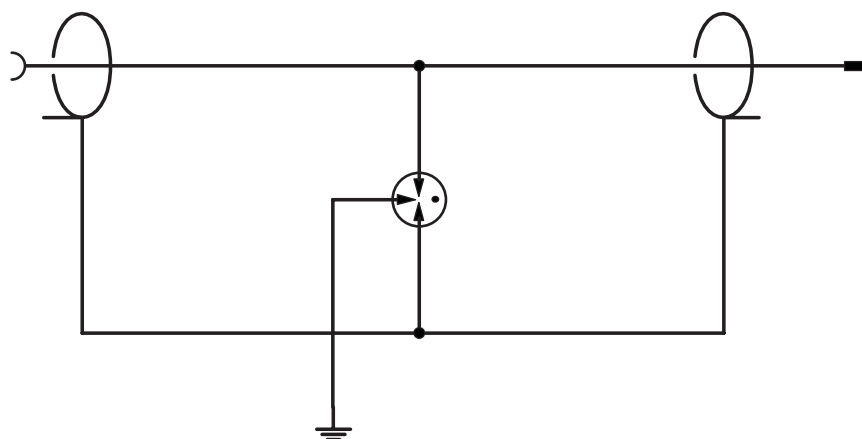


Diagram



The figure shows the asymmetrical characteristic curve for 50

Circuit diagram



CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2763691>



EAC

Approval ID: EAC-Zulassung



EAC

Approval ID: RU C-DE.*09.B.00169

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171504

ETIM

ETIM 9.0	EC000943
----------	----------

UNSPSC

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

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	57f684dc-40e0-489f-b4ef-8331338a55c5

CN-UB/E - Surge protection device



2763691

<https://www.phoenixcontact.com/pc/products/2763691>

Accessories

BNC-V 50 - Plug/adaptor

2805041

<https://www.phoenixcontact.com/pc/products/2805041>



BNC connector, single-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ω

BNC-DV 50 - Plug/adaptor

2805038

<https://www.phoenixcontact.com/pc/products/2805038>



BNC connector, double-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ω

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com