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## Surge protection device - CN-UB/E - 2763691

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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 099527

### Technical data

#### Dimensions

Height	83 mm
Width	25.4 mm
Depth	25.4 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Degree of protection	IP20

#### General

Housing material	Aluminum
Color	black
Standards for clearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
Overvoltage category	II
Degree of pollution	2
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

#### Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2

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## Technical data

### Protective circuit

	C3
	D1
Maximum continuous voltage $U_C$	180 V DC
	130 V AC
Maximum continuous voltage $U_C$ (wire-ground)	180 V DC
	130 V AC
Nominal current $I_N$	5 A (25 °C)
Operating effective current $I_C$ at $U_C$	$\leq 1 \mu\text{A}$
Residual current $I_{PE}$	$\leq 2 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Earth)	5 kA
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Shield)	5 kA
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Shield-Earth)	5 kA
Total surge current (8/20) $\mu\text{s}$	10 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu\text{s}$ (Core-Earth)	100 A
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) spike	$\leq 470 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Shield) spike	$\leq 590 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Shield-Earth) spike	$\leq 470 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) static	$\leq 470 \text{ V}$
	$\leq 33 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Shield-Earth) static	$\leq 33 \text{ V}$
Residual voltage at $I_n$ (conductor-ground)	$\leq 160 \text{ V}$ (1.5 m cable)
Residual voltage at $I_n$ (conductor-shield)	$\leq 55 \text{ V}$
Residual voltage at $I_n$ (shield-ground)	$\leq 160 \text{ V}$ (1.5 m cable)
Voltage protection level $U_p$ (core-ground)	$\leq 500 \text{ V}$ (C2 - 10 kV/5 kA)
Voltage protection level $U_p$ (core-shield)	$\leq 700 \text{ V}$ (C2 - 10 kV/5 kA)
Voltage protection level $U_p$ (shield-ground)	$\leq 500 \text{ V}$ (C2 - 10 kV/5 kA)
Response time $t_A$ (Core-Earth)	$\leq 100 \text{ ns}$
Response time $t_A$ (Core-GND)	$\leq 100 \text{ ns}$
Response time $t_A$ (Shield-Earth)	$\leq 100 \text{ ns}$
Input attenuation $aE$ , asym.	0.1 dB ( $\leq 100 \text{ MHz}$ )
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	typ. 1 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	$\leq 1.2$ ( $\leq 200 \text{ MHz}$ )
Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = $\infty$ )
Capacity asymmetrical (shield)	7 pF (typical)
Impulse durability (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2,5 kA
Impulse durability (shield-ground)	C2 - 10 kV / 5 kA
	D1 (2.5 kA)

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## Technical data

### Connection data

Connection method	N connector 50 Ω
Connection type IN	N socket
Connection type OUT	N plug

### Connection, equipotential bonding

Connection method	PVC litz wire
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### Standards and Regulations

Standards/regulations	IEC 61643-21
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## Classifications

### eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

### ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

### UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

## Approvals

### Approvals

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Approvals

EAC / EAC

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# Surge protection device - CN-UB/E - 2763691

## Approvals

Ex Approvals

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Approvals submitted

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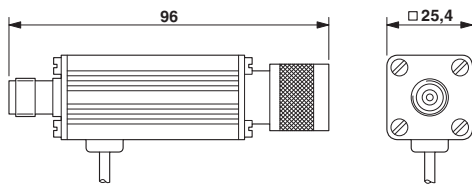
## Approval details

EAC

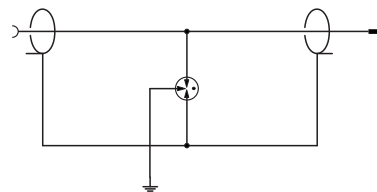
EAC

## Drawings

Dimensional drawing

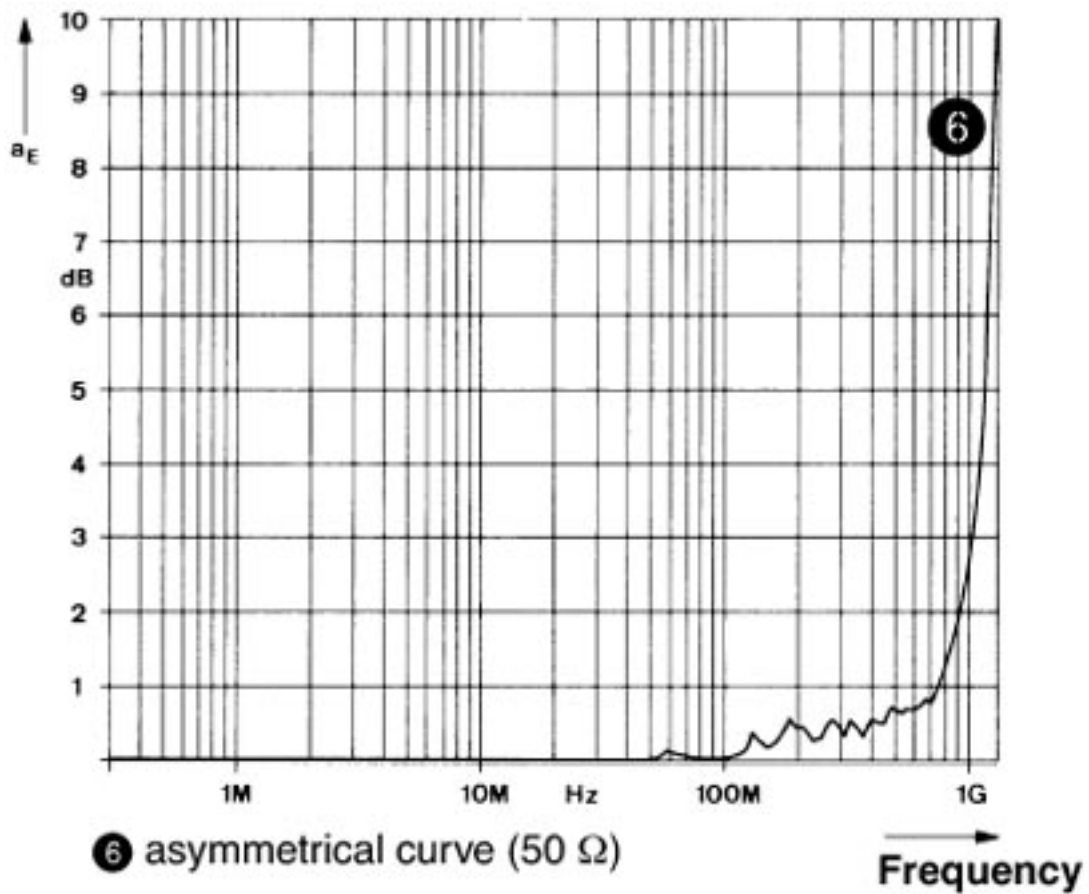


Circuit diagram



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Diagram



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