



**Automatización Eléctrica**  
Especialistas en Automatización

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## Surge protection device - C-UFB- 5DC/E 75 - 2763604

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Attachment plug with surge voltage coarse and fine protection, for coaxial signal interfaces with floating shield, signal voltage 5 V. Connection: BNC socket/plug

The illustration shows version C-UFB- 5DC/E

### Why buy this product

- Ground connection via separately led cable
- For insertion in the cable

### Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 347772

### Technical data

#### Dimensions

Height	25.4 mm
Width	25.4 mm
Depth	93 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	VDE 0110-1
	IEC 60664-1
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

#### Protective circuit

IEC test classification	C2
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## Surge protection device - C-UFB- 5DC/E 75 - 2763604

### Technical data

#### Protective circuit

	C3
	D1
Maximum continuous voltage $U_C$	5 V DC
Maximum continuous voltage $U_C$ (wire-shield)	5 V DC
Nominal current $I_N$	185 mA (25 °C)
Operating effective current $I_C$ at $U_C$	$\leq 300 \mu\text{A}$
Residual current $I_{PE}$	$\leq 2 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Earth)	10 kA
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Shield)	10 kA
Total surge current (8/20) $\mu\text{s}$	20 kA
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) spike	$\leq 500 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Shield) spike	$\leq 35 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Shield) static	$\leq 15 \text{ V}$
Residual voltage at $I_n$ (conductor-shield)	$\leq 12 \text{ V}$
Voltage protection level $U_p$ (core-ground)	$\leq 500 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 500 \text{ V}$ (C3 - 10 A)
Voltage protection level $U_p$ (core-shield)	$\leq 55 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 25 \text{ V}$ (C3 - 10 A)
Response time $t_A$ (Core-Earth)	$\leq 100 \text{ ns}$
Response time $t_A$ (Core-GND)	$\leq 500 \text{ ns}$
Input attenuation aE, asym.	1.3 dB ( $\leq 5 \text{ MHz}$ )
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	typ. 80 MHz
Impulse durability (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2,5 kA

#### Connection data

Connection method	BNC 75 $\Omega$
Connection type IN	BNC socket
Connection type OUT	BNC 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

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## Classifications

### eCl@ss

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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Ex Approvals

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Approvals submitted

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### Approval details

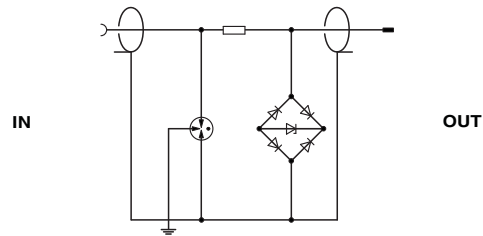
EAC
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EAC
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## Drawings

## Surge protection device - C-UFB- 5DC/E 75 - 2763604

Circuit diagram



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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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Product	Code	Reference	Product link
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