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

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

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

Product Features

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

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	113.7 g
Custom tariff number	85363010
Country of origin	Germany

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 cearances and creepage distances	VDE 0110-1

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Technical data

General

	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
	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	≤ 300 µA
Residual current I_{PE}	≤ 2 µA
Nominal discharge current I_n (8/20) µs (Core-Earth)	10 kA
Nominal discharge current I_n (8/20) µs (Core-Shield)	10 kA
Total surge current (8/20) µs	20 kA
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 500 V
Output voltage limitation at 1 kV/µs (Core-Shield) spike	≤ 35 V
Output voltage limitation at 1 kV/µs (Core-Shield) static	≤ 15 V
Residual voltage at I_n (conductor-shield)	≤ 12 V
Voltage protection level U_p (core-ground)	≤ 500 V (C1 - 1 kV/500 A)
	≤ 500 V (C3 - 10 A)
Voltage protection level U_p (core-shield)	≤ 55 V (C1 - 1 kV/500 A)
	≤ 25 V (C3 - 10 A)
Response time tA (Core-Earth)	≤ 100 ns
Response time tA (Core-GND)	≤ 500 ns
Input attenuation aE, asym.	1.3 dB (≤ 5 MHz)
Cut-off frequency fg (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 Ω
Connection type IN	BNC socket
Connection type OUT	BNC plug

Connection, equipotential bonding

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Technical data

Connection, equipotential bonding

Connection method	PVC litz wire

Standards and Regulations

Standards/regulations	IEC 61643-21

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

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

Approvals

EAC / EAC

Ex Approvals

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Approvals

Approvals submitted

Approval details

EAC

EAC

Drawings

Circuit diagram