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

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

Your advantages

- Easy installation with system-compliant connection
- Low signal interference with adapted protective circuit
- Limitation of energy-rich pulses with powerful protection

Commercial data

Item number	2763604
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL25
Product key	CL3313
Catalog page	Page 201 (C-4-2019)
GTIN	4017918347772
Weight per piece (including packing)	113 g
Weight per piece (excluding packing)	102.8 g
Customs tariff number	85363010
Country of origin	DE

Technical data

Product properties

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

Connection data

Connection method	BNC 75 Ω

Dimensions

Width	25.4 mm
Height	25.4 mm
Depth	93 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 voltage U_C	5 V DC
Rated current	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 (line-ground)	10 kA
Nominal discharge current I_n (8/20) µs (line-shield)	10 kA
Total discharge current I_{total} (8/20) µs	20 kA
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 500 V
Output voltage limitation at 1 kV/µs (line-shield) spike	≤ 35 V
Output voltage limitation at 1 kV/µs (line-shield) static	≤ 15 V
Residual voltage at I_n (conductor-shield)	≤ 12 V
Voltage protection level U_p (line-earth)	≤ 500 V (C1 - 1 kV / 500 A)
	≤ 500 V (C3 - 10 A)
Voltage protection level U_p (line-shield)	≤ 25 V (C3 - 10 A)
	≤ 55 V (C1 - 1 kV / 500 A)

Response time t_A (line-earth)	≤ 100 ns
Response time tA (line-shield)	≤ 500 ns
Input attenuation aE, asym.	1.3 dB (≤ 5 MHz)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ω system	typ. 80 MHz
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	D1 - 2.5 kA

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Air clearances and creepage distances

Standards/regulations	VDE 0110-1 / IEC 60664-1

Standards Information technology specification

Standards/regulations	IEC 61643-21
	IEC 61643-21
Standards/specifications	IEC 61643-21
Note	2000

Mounting

Mounting type	Connection-specific intermediate plugging

Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171503

ETIM

ETIM 9.0	EC001466

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

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