C-UB/E - Surge protection device

2763701

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

Commercial data

Item number	2763701
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL03
Product key	CL3316
Catalog page	Page 201 (C-4-2019)
GTIN	4017918065638
Weight per piece (including packing)	102.4 g
Weight per piece (excluding packing)	102.4 g
Customs tariff number	85363010
Country of origin	DE

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

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

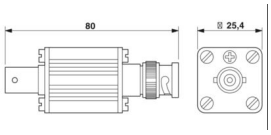
Insulation characteristics

Overvoltage category	II
Pollution degree	2

Connection data

Connection method	BNC 50 Ω

Dimensions

Dimensional drawing	
Width	25.4 mm
Height	25.4 mm
Depth	80 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	180 V DC

	130 V AC
Rated current	3.5 A (25 °C)
Operating effective current I_C at U_C	≤ 1 µA
Residual current I_{PE}	≤ 2 µA
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 fg (3 dB), asym. (shield) in 50 Ω system	typ. 1 GHz
Voltage standing wave ratio VSWR in a 50 Ω system	typ. 1.30 (≤ 150 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	typ. 6 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
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

Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171504

ETIM

ETIM 9.0	EC000943

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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