Surge protection device - CTNC-UFB-5DC/E - 2762087

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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: TNC socket/plug

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	4 017918 064839
GTIN	4017918064839

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
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
VDE requirement class	C2

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Technical data

Protective circuit

	C3
Nominal voltage U_N	5 V DC
Maximum continuous voltage U_C	5 V DC
Maximum continuous voltage U_C (line-earth)	5 V DC
Nominal current I_N	185 mA (25 °C)
Operating effective current I_C at U_C	≤ 300 µA
Nominal discharge current I_n (8/20) µs (core-signal ground)	10 kA
Output voltage limitation at 1 kV/µs (line-line) spike	≤ 13 V
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 500 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 500 V
Output voltage limitation at 1 kV/µs (line-signalground) static	≤ 13 V
Residual voltage at I_n (line-signalground)	≤ 10 V
Voltage protection level U_p (line-earth)	≤ 500 V
Voltage protection level U_p (line-signalground)	≤ 13 V
Response time tA (line-signalground)	≤ 500 ns
Response time t_A (line-earth)	≤ 100 ns
Cut-off frequency fg (3 dB), asym. (PE) in 50 Ohm system	170 MHz
Resistance in series	22 Ω
Surge protection fault message	none

Connection data

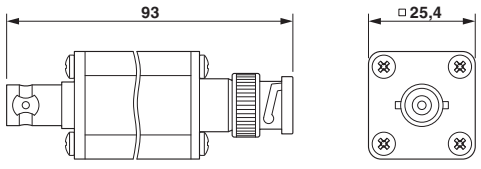
Connection method	TNC 50 Ω
Connection method IN	TNC socket
Connection method OUT	TNC plug

Standards and Regulations

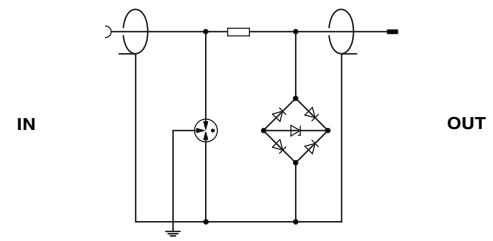
Standards/regulations	Draft IEC 64644-1
	E VDE 0845-3-1

Drawings

Dimensional drawing



Circuit diagram



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