Surge protection device - RF-TRAB 500 - 2765084

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Attachment plug with replaceable surge protection for coaxial signal interfaces, transmission capacity ≤800 W. Connection: UHF female/female.

The illustration shows version RF-TRAB

Key commercial data

Packing unit	1 pc
GTIN	4 017918 066154
Weight per Piece (excluding packing)	79.47 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	18.1 mm
Width	60.5 mm
Depth	40 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Degree of protection	IP20

General

Housing material	Nickel-plated brass
Color	silver
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug

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Technical data

General

Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1
Maximum continuous operating voltage U_C	265 V AC
Maximum continuous voltage U_C (wire-ground)	265 V AC
Maximum continuous voltage U_C (wire-shield)	265 V AC
Nominal current I_N	10 A (25 °C)
Operating effective current I_C at U_C	≤ 1 µA
Residual current I_{PE}	≤ 1 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	10 kA
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 1.5 kV
Output voltage limitation at 1 kV/µs (Core-Shield) spike	≤ 1.5 kV
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 1.5 kV
Output voltage limitation at 1 kV/µs (Core-Shield) static	≤ 1.5 kV
Voltage protection level U_P (Core-Earth)	≤ 1.5 kV
Voltage protection level U_P (Core-Shield)	≤ 1.5 kV
Response time tA (Core-Earth)	≤ 100 ns
Response time tA (Core-GND)	≤ 100 ns
Input attenuation aE, asym.	0.3 dB (≤ 250 MHz)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	typ. 950 MHz
Standing wave ratio SWR in a 50 Ω system	≤ 1.2 (≤ 80 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	1 kW (VSWR = 1.1)
	300 W (VSWR = ∞)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 - 10 kV / 5 kA
	D1 - 2,5 kA

Connection data

Connection method	UHF connector
Connection type IN	UHF connector, female
Connection type OUT	UHF connector, female

Connection, equipotential bonding

Connection method	Screw terminal block

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Technical data

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

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

CSA / GOST

Ex Approvals

Approvals submitted

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Approvals

Approval details

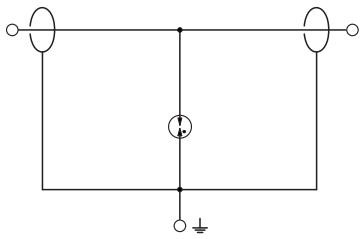
CSA

Nominal voltage UN	265 V

GOST

Drawings

Circuit diagram



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Diagram