

## Surge protection device - RF-TRAB 500 - 2765084

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Attachment plug with replaceable surge protection for coaxial signal interfaces, transmission capacity  $\leq 800$  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
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### 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 $U_C$	$\leq 1 \mu A$
Residual current $I_{PE}$	$\leq 1 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Earth)	10 kA
Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Shield)	10 kA
Total surge current (8/20) $\mu s$	10 kA
Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) spike	$\leq 1.5$ kV
Output voltage limitation at 1 kV/ $\mu s$ (Core-Shield) spike	$\leq 1.5$ kV
Output voltage limitation at 1 kV/ $\mu s$ (Core-Earth) static	$\leq 1.5$ kV
Output voltage limitation at 1 kV/ $\mu s$ (Core-Shield) static	$\leq 1.5$ kV
Voltage protection level $U_p$ (Core-Earth)	$\leq 1.5$ kV
Voltage protection level $U_p$ (Core-Shield)	$\leq 1.5$ kV
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 100$ ns
Input attenuation $a_E$ , asym.	0.3 dB ( $\leq 250$ MHz)
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	typ. 950 MHz
Standing wave ratio SWR in a 50 $\Omega$ system	$\leq 1.2$ ( $\leq 80$ MHz)
Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)	1 kW (VSWR = 1.1)
	300 W (VSWR = $\infty$ )
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
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## 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

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Approvals

CSA / GOST

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Ex Approvals

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Approvals submitted

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## Approvals

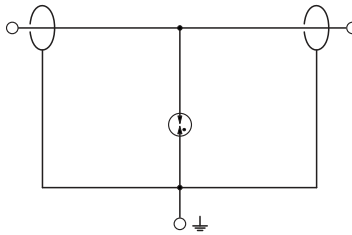
### Approval details

CSA 	
Nominal voltage UN	
265 V	

GOST 	
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## Drawings

Circuit diagram



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Diagram

