Surge protection device - CN-LAMBDA/4-0.47-SB - 2800022

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Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: N connectors plug/socket

Your advantages

- Low protection level
- High HF power in the kW range
- Maintenance-free surge protection with LAMBDA/4 technology

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 367950
GTIN	4046356367950

Technical data

Dimensions

Height	32 mm
Width	32 mm
Depth	81 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Degree of protection	IP68

General

Housing material	Brass (CuZn)
Color	nickel
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Number of positions	1

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Technical data

General

Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Rated current	5 A (25 °C)
Nominal discharge current I_n (8/20) µs (line-earth)	20 kA
Nominal discharge current I_n (8/20) µs (line-shield)	20 kA
Pulse discharge current I_{imp} (10/350) µs	≤ 15 kA
Total discharge current I_{total} (8/20) µs	30 kA
Total discharge current I_{total} (10/350) µs	15 kA
Max. discharge current I_{max} (8/20) µs maximum (line-earth)	30 kA
Max. discharge current I_{max} (8/20) µs maximum (line-shield)	30 kA
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/µs (line-shield) spike	≤ 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 55 V
Output voltage limitation at 1 kV/µs (line-shield) static	≤ 55 V
Voltage protection level U_p (line-earth)	≤ 95 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	≤ 95 V (C2 - 10 kV / 5 kA)
Input attenuation aE, asym.	typ. 0.05 dB (≤ 0.10 dB)
Frequency range	380 MHz ... 470 MHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.05 (≤ 1,15)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	≤ 800 W
	≤ 4 kW (peak)
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	D1 - 2.5 kA
Impulse durability (line-shield)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Connection data

Connection method	N Connector
Connection method IN	N connector, male
Connection method OUT	N connector, female

Standards and Regulations

Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2005

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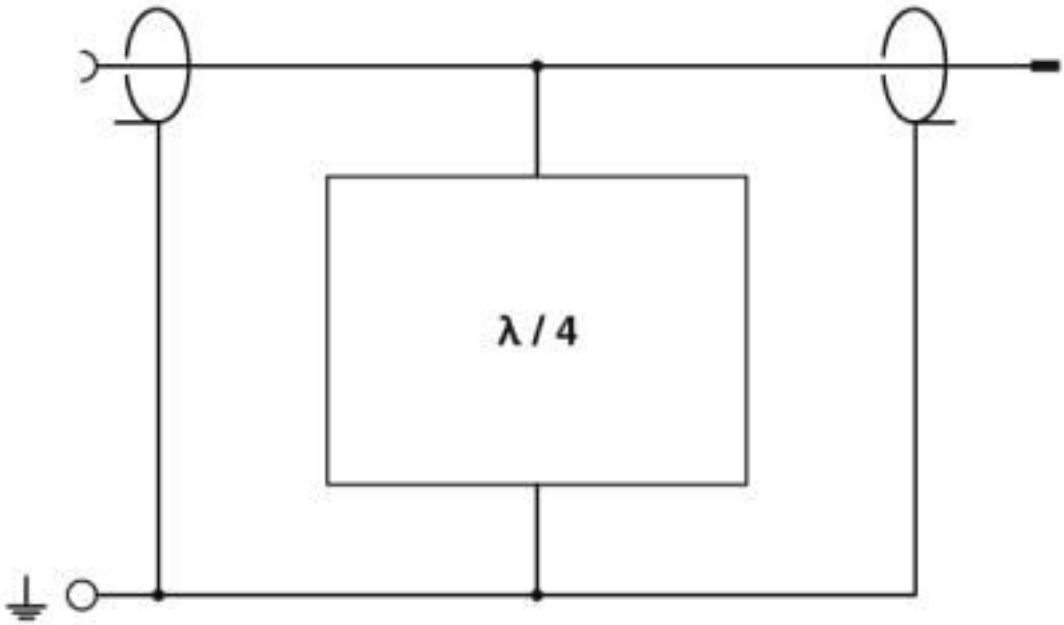
Technical data

Environmental Product Compliance

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

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

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Classifications

ETIM

ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.*09.B.00169

Accessories

Accessories

Assembly adapter

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

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Accessories

Mounting plate - CN-UB/MP-90DEG-50 - 2803137



Angled bracket for individually fixing CN-UB... to housing panels, for example.

Coaxial adapter

Adapter - RAD-ADP-N/M-SMA/F - 2917036



Antenna adapter, frequency range: 0.3 GHz ... 6 GHz, connection: N (male) -> SMA (female)

Coaxial cable

Antenna cable - RAD-PIG-EF316-N-RSMA - 2701402



Antenna cable for control cabinet feed-through, outside diameter: 3.2 mm (0.126 in.), inner conductor: stranded, attenuation: 0.6 / 0.9 / 1.4 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (female) -> RSMA (male), cable length: 0.5 m (1.6 ft.)

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