

Surge protection device - CN-LAMBDA/4-2.2-SB - 2800025

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

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 410076
GTIN	4046356410076

Technical data

Dimensions

Height	66 mm
Width	26.1 mm
Depth	89 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
Direction of action	Line-Shield/Earth Ground

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Technical data

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Nominal current I_N	5 A (25 °C)
Nominal discharge current I_n (8/20) μ s (line-earth)	50 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	50 kA
Total surge current (8/20) μ s	60 kA
Total surge current (10/350) μ s	20 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	60 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-shield)	60 kA
Impulse discharge current (10/350) μ s, peak value I_{imp}	≤ 20 kA
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) spike	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) static	≤ 12 V (6 kV / 3 kA)
Voltage protection level U_p (line-earth)	≤ 12 V (6 kV / 3 kA)
Voltage protection level U_p (line-shield)	≤ 12 V (6 kV / 3 kA)
Input attenuation aE, asym.	typ. 0.05 dB (≤ 0.15 dB)
Frequency range	0.82 GHz ... 2.2 GHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.1 (≤ 1.20 (0.82 GHz...2.2 GHz))
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	≤ 500 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

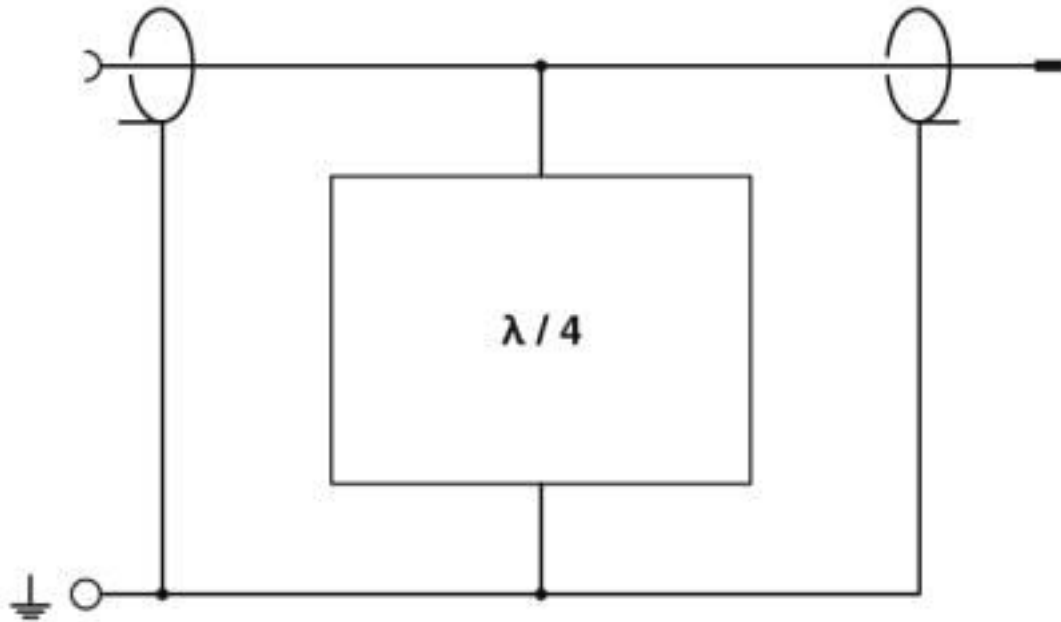
Standards and Regulations

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

Drawings

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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
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
ETIM 6.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

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Classifications

UNSPSC

UNSPSC 19.0	39121620
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Accessories

Accessories

Assembly adapter

Mounting plate - CN-UB/MP - 2818135



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

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



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

Additional products

Mounting plate - CN-UB/MP - 2818135



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

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