

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

Why buy this product

- ✓ 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 STK
Weight per Piece (excluding packing)	200.000 g
Custom tariff number	85363010
Country of origin	United States

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

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Technical data

General

Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

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 (core-earth)	50 kA
Nominal discharge current I_n (8/20) μ s (Core-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 (Core-Earth)	60 kA
Max. discharge current I_{max} (8/20) μ s maximum (Core-Shield)	60 kA
Impulse discharge current (10/350) μ s, peak value I_{imp}	≤ 20 kA
Output voltage limitation at 1 kV/ μ s (core-earth) spike	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (core-earth) static	≤ 12 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Shield) static	≤ 12 V (6 kV / 3 kA)
Voltage protection level U_p (core-ground)	≤ 12 V (6 kV / 3 kA)
Voltage protection level U_p (core-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 (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2.5 kA
Impulse durability (conductor-shield)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Connection data

Connection method	N Connector
Connection method IN	N connector, male

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Technical data

Connection data

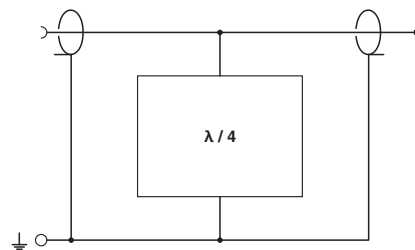
Connection method OUT	N connector, female
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Standards and Regulations

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

Drawings

Circuit diagram



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
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

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Classifications

UNSPSC

UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B01561
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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.

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Accessories

Additional products

Mounting plate - CN-UB/MP - 2818135



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