

Surge protection device - CN-LAMBDA/4-2.25-BB - 2801057

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



RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 679091
GTIN	4046356679091
Weight per Piece (excluding packing)	280.000 g
Custom tariff number	85363010
Country of origin	China

Technical data

Dimensions

Height	77.5 mm
Width	25 mm
Length	78.7 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Altitude	2000 m
Degree of protection	IP68

General

Housing material	HPb59-1
Color	nickel

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Technical data

General

Standards for clearances and creepage distances	IEC 60664-1
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Number of positions	1
Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1
Nominal current I_N	5 A (25 °C)
Nominal discharge current I_n (8/20) μ s	50 kA
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	60 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	≤ 1 V
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	≤ 1 V
Voltage protection level U_p (core-ground)	≤ 25 V (C2 - 10 kV / 5 kA)
	≤ 5 V (C1 - 1 kV/500 A)
	≤ 18 V (6 kV / 3 kA)
Voltage protection level U_p (core-shield)	≤ 5 V (C1 - 1 kV/500 A)
	≤ 25 V (C2 - 10 kV / 5 kA)
	≤ 18 V (6 kV / 3 kA)
Input attenuation aE, asym.	typ. 0.1 dB
Frequency range	0.8 GHz ... 2.25 GHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.2
	max. 1.25
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)	C1 - 1 kV/500 A
	C2 - 10 kV/5 kA

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Technical data

Protective circuit

	D1 - 2.5 kA
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Connection data

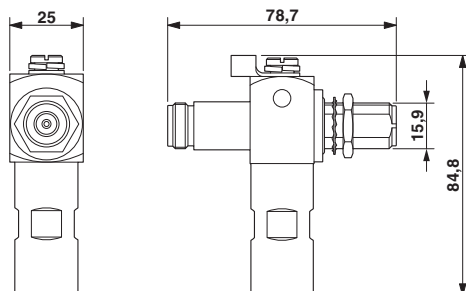
Connection method	N connector 50 Ω
Connection method IN	N connector, female
Connection method OUT	N connector, female

Standards and Regulations

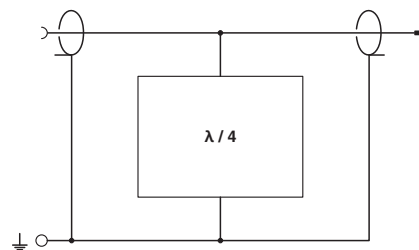
Standards/specifications	IEC 61643-21/A1 2008
	EN 61643-21/A1 2009

Drawings

Dimensional drawing



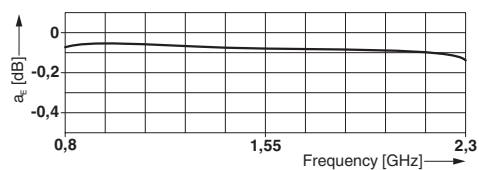
Circuit diagram



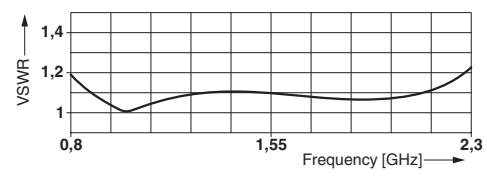
Circuit diagram

Dimensional drawing
CN-LAMBDA/4-2.25-BB

Diagram



Diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801

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Classifications

eCl@ss

eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

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

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

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