

Surge protection device - CN-LAMBDA/4-5.9-SB - 2800023

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

Your advantages

- ✓ Easy installation with system-compliant connection
- ✓ Use under extreme ambient conditions with robust design
- ✓ Service-friendly with maintenance-free protective circuit
- ✓ Exceptional protective properties with Lambda/4 technology

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 410083
GTIN	4046356410083
Weight per Piece (excluding packing)	200.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

Height	38 mm
Width	26.1 mm
Depth	65 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
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Technical data

Ambient conditions

Degree of protection	IP68
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General

Housing material	Brass (CuZn)
Color	nickel
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
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) μ s (line-earth)	50 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	50 kA
Pulse discharge current I_{imp} (10/350) μ s	≤ 20 kA
Total discharge current I_{total} (8/20) μ s	60 kA
Total discharge current I_{total} (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
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 11 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) spike	≤ 11 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 11 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (line-shield) static	≤ 11 V (6 kV / 3 kA)
Voltage protection level U_p (line-earth)	≤ 11 V (6 kV / 3 kA)
Voltage protection level U_p (line-shield)	≤ 11 V (6 kV / 3 kA)
Input attenuation aE, asym.	typ. 0.05 dB (≤ 0.15 dB)
Frequency range	2.4 GHz ... 5.9 GHz
Voltage standing wave ratio VSWR in a 50 Ω system	typ. 1.1 (≤ 1.20 (2.4 GHz...5.9 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

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Protective circuit

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

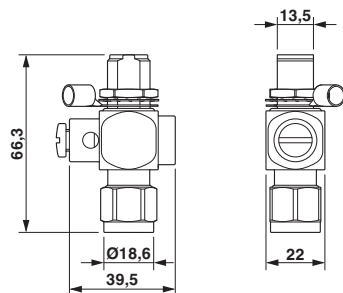
Standards/specifications	IEC 61643-21 2005
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Environmental Product Compliance

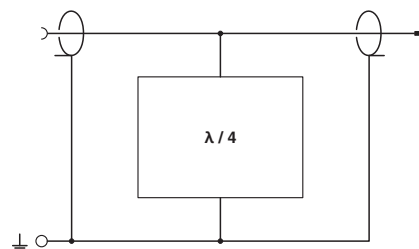
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 11.0	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 9.0	27130807

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Classifications

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
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 / EAC

Ex Approvals

Approval details

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