

## 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

### Product Features

- Low protection level
- Outdoor surge protection
- As an adapter between devices and cables
- High HF power in the kW range
- Maintenance-free surge protection with LAMBDA/4 technology



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	160.6 GRM
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
Degree of protection	IP68

#### General

Housing material	Brass (CuZn)
Color	nickel

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### Technical data

#### General

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
Nominal current $I_N$	5 A (25 °C)
Nominal discharge current $I_n$ (8/20) $\mu$ s (Core-Earth)	50 kA
Nominal discharge current $I_n$ (8/20) $\mu$ s (Core-Shield)	50 kA
Total surge current (8/20) $\mu$ s	60 kA
Total surge current (10/350) $\mu$ s	20 kA
Max. discharge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Earth)	60 kA
Max. discharge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Shield)	60 kA
Impulse discharge current (10/350) $\mu$ s, peak value $I_{imp}$	$\leq 20$ kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 11$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 11$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 11$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 11$ V (6 kV/3 kA)
Voltage protection level $U_p$ (Core-Earth)	$\leq 11$ V (6 kV/3 kA)
Voltage protection level $U_p$ (Core-Shield)	$\leq 11$ V (6 kV/3 kA)
Input attenuation aE, asym.	typ. 0.05 dB ( $\leq 0.15$ dB)
Frequency range	2.4 GHz ... 5.9 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	typ. 1.1 ( $\leq 1.20$ (2.4 GHz...5.9 GHz))
Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)	$\leq 500$ W
	$\leq 4$ kW (peak)
Surge current resistance (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2,5 kA
Surge current resistance (conductor-shield)	C2 (10 kV/5 kA)
	D1 (2.5 kA)

#### Connection data

Connection method	N Connector
Connection type IN	N connector, male

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## Technical data

### Connection data

Connection type OUT	N connector, female
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### Standards and Regulations

Standards/regulations	IEC 61643-21
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## 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

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

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Approvals

GOST

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Ex Approvals

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

### Approvals

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Approvals submitted

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### Approval details



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

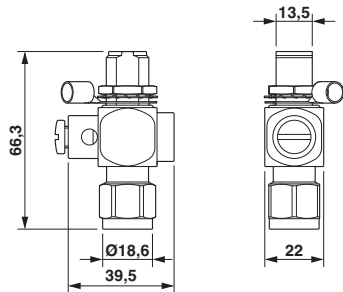


Angled bracket for individually fixing CN-UB... to housing panels, for example.

### Drawings

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Dimensioned drawing



Circuit diagram

