

## Surge protection device - CN-LAMBDA/4-1.7-BB - 2800024

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



### Why buy this product

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



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 367967
Weight per Piece (excluding packing)	191.0 g
Custom tariff number	85363010
Country of origin	United States

### Technical data

#### Dimensions

Height	66 mm
Width	26.1 mm
Depth	83 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) $\mu$ 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	$\leq 12$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 12$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 12$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 12$ V (6 kV/3 kA)
Voltage protection level $U_p$ (Core-Earth)	$\leq 12$ V (6 kV/3 kA)
Voltage protection level $U_p$ (Core-Shield)	$\leq 12$ V (6 kV/3 kA)
Input attenuation aE, asym.	typ. 0.05 dB ( $\leq 0.15$ dB)
Frequency range	0.82 GHz ... 2.2 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	typ. 1.1 ( $\leq 1.20$ (0.82 GHz...2.2 GHz))
Permissible HF power $P_{max}$ at SWR=xx (50 Ohm system)	$\leq 500$ W
	$\leq 4$ kW (peak)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield)	C2 (10 kV/5 kA)
	D1 (2.5 kA)

### Connection data

Connection method	N Connector
Connection type IN	N connector, female
Connection type OUT	N connector, female

### 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

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Approvals submitted

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### Approval details

GOST 
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## Surge protection device - CN-LAMBDA/4-1.7-BB - 2800024

### 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.

### Drawings

Circuit diagram

