

## Surge protection device - CN-LAMBDA/4-2.2-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

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 367967
GTIN	4046356367967

### 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 (line-earth)	50 kA
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-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 (line-earth)	60 kA
Max. discharge current $I_{max}$ (8/20) $\mu$ s maximum (line-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 (line-earth) spike	$\leq 12$ V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (line-shield) spike	$\leq 12$ V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (line-earth) static	$\leq 12$ V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (line-shield) static	$\leq 12$ V (6 kV / 3 kA)
Voltage protection level $U_p$ (line-earth)	$\leq 12$ V (6 kV / 3 kA)
Voltage protection level $U_p$ (line-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 VSWR = xx (50 ohm system)	$\leq 500$ W
	$\leq 4$ kW (peak)
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV/5 kA
	D1 - 2.5 kA
Impulse durability (line-shield)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

### Connection data

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

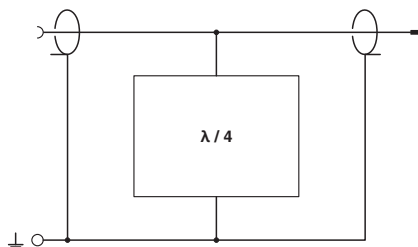
### Standards and Regulations

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

### Drawings

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Circuit diagram



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