


# CN-LAMBDA/4-2.2-SB

Order No.: 2800025



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800025>

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

Commercial data	
GTIN (EAN)	4 046356 410076 
sales group	J401
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 173 (TT-2011)

### Product notes

WEEE/RoHS-compliant since: 04/09/2008



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Technical data	
General	
Housing material	Brass (CuZn)
Color	nickel
Total surge current (8/20) $\mu$ s	60 kA
Total surge current (10/350) $\mu$ s	20 kA

Ambient temperature (operation)	-40 °C ... 90 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP68
Direction of action	Line-Shield/Earth Ground
Width	26.10 mm
Height	89.00 mm
Length	66.00 mm
<b>Protective circuit</b>	
IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Nominal current $I_N$	5 A (25°C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)	50 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Shield)	50 kA
Total surge current (8/20) $\mu$ s	60 kA
Max. discharge surge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Earth)	60 kA
Max. discharge surge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Shield)	60 kA
Lightning test 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)
Protection level $U_p$ (Core-Earth)	$\leq 12$ V (6 kV/3 kA)
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 Ω system	Typ. 1.1 (≤ 1.20 (0.82 GHz...2.2 GHz))
Permissible HF power P <sub>max.</sub> at SWR=xx (50 Ohm system)	≤ 500 W
	≤ 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, male
Connection type OUT	N connector, female

#### Connection, protective circuit

Standards/regulations	IEC 61643-21
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#### Certificates / Approvals



Certification GOST

#### Accessories

Item	Designation	Description
<b>Assembly</b>		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

**Additional products**

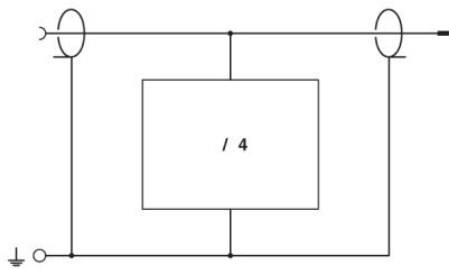
Item	Designation	Description
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**Assembly**

2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
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**Diagrams/Drawings**

Circuit diagram



**Address**

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