

## CN-LAMBDA/4-5.9-BB

Order No.: 2838490



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2838490>

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

### Commercial data

EAN	4046356285629
Pack	1 pcs.
Customs tariff	85363010
Weight/Piece	0.14019 KG
Catalog page information	Page 171 (TT-2009)

<http://www.download.phoenixcontact.com>  
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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	60.00 mm
Length	38.00 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	$\leq 11$ V (6 kV/3 kA)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 11$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 11$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 11$ V
Protection level $U_p$ (Core-Earth)	$\leq 11$ V (6 kV/3 kA)
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 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**

Type of connection	N-Connector
Connection type IN	N connector, female
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.

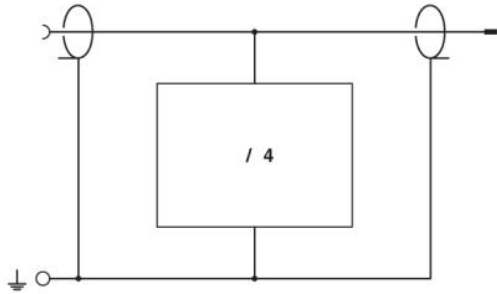
**Additional products**

Item	Designation	Description
<b>Assembly</b>		
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.

**Drawings**

Circuit diagram

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