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

Your advantages

- Easy installation with system-compliant connection
- Use under extreme ambient conditions with robust design
- Service-friendly with maintenance-free protective circuit
- Exceptional protective properties with Lambda/4 technology

Commercial data

Item number	2838490
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL3312
Product key	CL3312
Catalog page	Page 179 (C-4-2017)
GTIN	4046356285629
Weight per piece (including packing)	180.1 g
Weight per piece (excluding packing)	140.19 g
Customs tariff number	85363010
Country of origin	US

CN-LAMBDA/4-5.9-BB - Surge protection device



2838490

<https://www.phoenixcontact.com/au/products/2838490>

Technical data

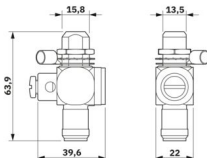
Product properties

Product type	Surge protection for transceiver systems
IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Type	Intermediate plug
Number of positions	1
Surge protection fault message	none

Connection data

Connection method	N connector 50 Ω
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Dimensions

Dimensional drawing	
Width	26.1 mm
Height	38 mm
Depth	60 mm

Material specifications

Color	nickel color
	copper color
Seal material	Silicon
Housing material	Brass (CuZn)
Housing surface material	Ni
Inner conductor material	BeCu
Inner conductor surface material	Gold
Insulation body material	PTFE

Mechanical properties

Mechanical data	
Open side panel	No

Protective circuit

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Direction of action	Line-Shield/Earth Ground
Rated current	5 A (25 °C)
Nominal discharge current I_n (8/20) μ s (line-ground)	50 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	50 kA
Pulse discharge current I_{imp} (10/350) μ s	20 kA
Pulse discharge current I_{imp} (10/350) μ s (line-earth)	20 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	60 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-shield)	60 kA
Impulse discharge current (10/350) μ s, peak value I_{imp}	20 kA
Voltage protection level U_p (line-earth)	≤ 11 V (6 kV / 3 kA)
Voltage protection level U_p (line-shield)	≤ 11 V (6 kV / 3 kA)
Input attenuation aE, asym.	typ. 0.15 dB (≤ 0.25 dB)
Frequency range	2.4 GHz ... 7.6 GHz
Voltage standing wave ratio VSWR in a 50 Ω system	typ. 1.10 (≤ 1.20 (2.4 GHz...5.9 GHz)) ≤ 1.20 (2.4 GHz ... 7.6 GHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	≤ 500 W ≤ 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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68 (24 h / 1 m)
Ambient temperature (operation)	-40 °C ... 90 °C

Approvals

Conformity/Approvals

FCC	Part 15, Part 90
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Standards and regulations

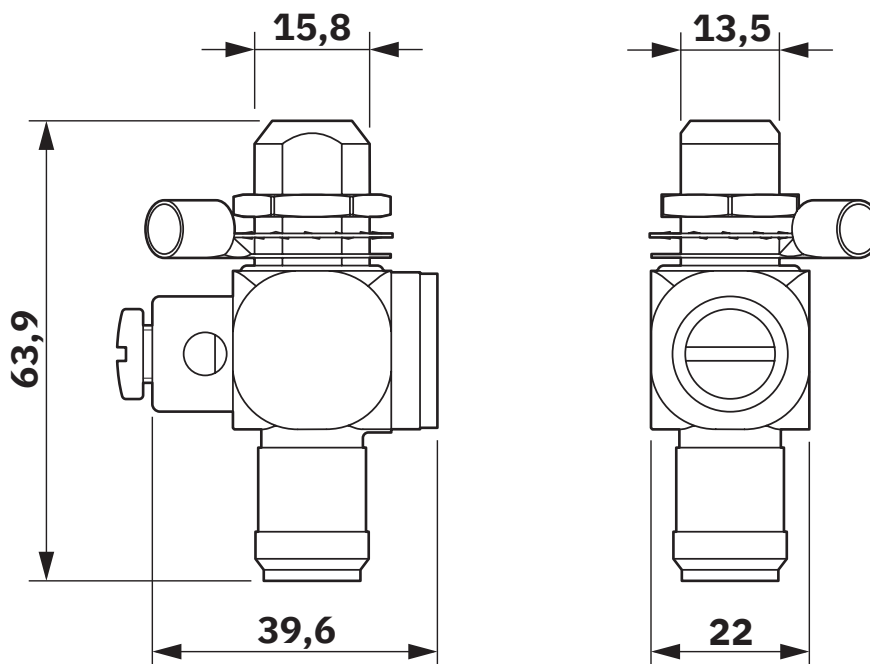
VDE requirement class	C2 C3 D1
Standards/specifications	IEC 61643-21
Note	2005

Mounting

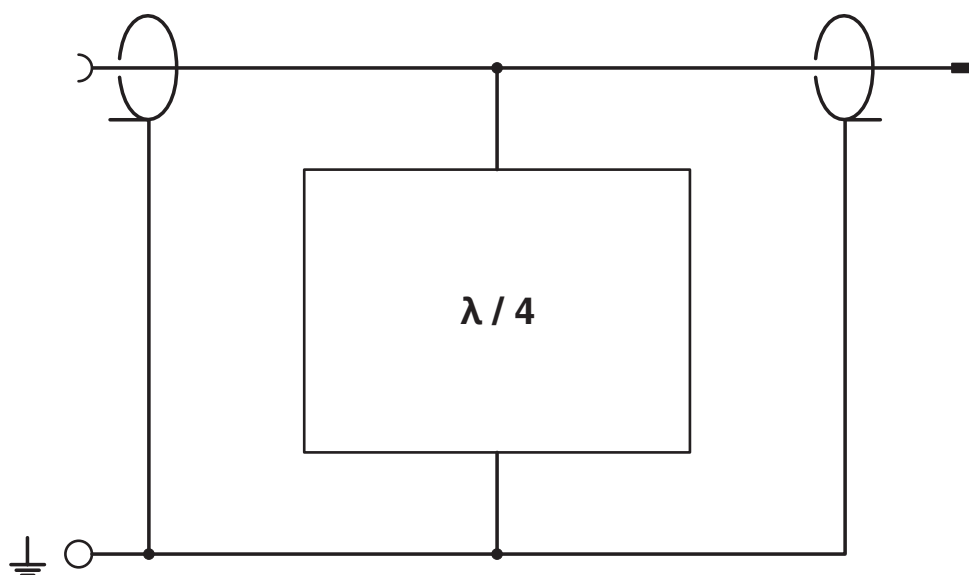
Mounting type	Connection-specific intermediate plugging
Assembly note	Outdoors and indoors

Drawings

Dimensional drawing



Circuit diagram



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Approvals

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EAC

Approval ID: EAC-Zulassung



EAC

Approval ID: RU C-DE.*09.B.00169

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Classifications

ECLASS

ECLASS-13.0	27171504
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ETIM

ETIM 9.0	EC000943
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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