


CN-LAMBDA/4-0.47-SB

Order No.: 2800022



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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 367950
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) μ s	30 kA
Total surge current (10/350) μ s	15 kA

Ambient temperature (operation)	-40 °C ... 90 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Number of positions	1
Degree of protection	IP68
Direction of action	Line-Shield/Earth Ground
Width	32.00 mm
Height	81.00 mm
Length	32.00 mm
Protective circuit	
IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	20 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Shield)	20 kA
Total surge current (8/20) μ s	30 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Earth)	30 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Shield)	30 kA
Lightning test current (10/350) μ s, peak value I_{imp}	≤ 15 kA
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 55 V (6 kV/3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	≤ 55 V (6 kV/3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 55 V
Output voltage limitation at 1 kV/ μ s (Core-Shield) static	≤ 55 V
Protection level U_p (Core-Earth)	≤ 95 V (C2 - 10 kV / 5 kA)
Protection level U_p (Core-Shield)	≤ 95 V (C2 - 10 kV / 5 kA)
Input attenuation aE, asym.	Typ. 0.05 dB (≤ 0.10 dB)
Frequency range	380 MHz ... 470 MHz

Standing wave ratio SWR in a 50 Ω system	Typ. 1.05 (≤ 1,15)
Permissible HF power P _{max.} at SWR=xx (50 Ohm system)	≤ 800 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

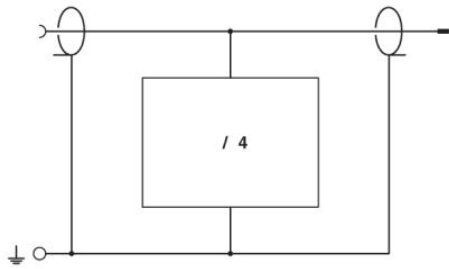
Accessories

Item	Designation	Description
Assembly		
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.
Plug/Adapter		
2917036	RAD-ADP-N/M-SMA/F	Adapter, N (male) -> SMA (female); insertion attenuation < 0.3 dB at 2.4 GHz

2867681	RAD-PIG-EF316-MCX-N	Adapter cable, pigtail 50 cm MCX (male) -> N (male), insertion attenuation 1.5 dB@2.4 GHz; impedance 50 Ω ;
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Diagrams/Drawings

Circuit diagram



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