

Surge protection device - CN-LAMBDA/4-0.47-BB - 2800021

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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

- Low protection level
- Maintenance-free surge protection with LAMBDA/4 technology
- High HF power in the kW range

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	200.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

Height	32 mm
	32 mm
Width	32 mm
Depth	83 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Degree of protection	IP68

General

Housing material	Brass (CuZn)
Color	nickel

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Technical data

General

Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Number of positions	1
Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Rated current	5 A (25 °C)
Nominal discharge current I_n (8/20) μ s (core-earth)	20 kA
Nominal discharge current I_n (8/20) μ s (Core-Shield)	20 kA
Pulse discharge current I_{imp} (10/350) μ s	\leq 15 kA
Total discharge current I_{total} (8/20) μ s	30 kA
Total discharge current I_{total} (10/350) μ s	15 kA
Max. discharge current I_{max} (8/20) μ s maximum (Core-Earth)	30 kA
Max. discharge current I_{max} (8/20) μ s maximum (Core-Shield)	30 kA
Output voltage limitation at 1 kV/ μ s (core-earth) spike	\leq 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	\leq 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (core-earth) static	\leq 55 V (6 kV / 3 kA)
Output voltage limitation at 1 kV/ μ s (Core-Shield) static	\leq 55 V (6 kV / 3 kA)
Voltage protection level U_p (core-ground)	\leq 95 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (core-shield)	\leq 95 V (C2 - 10 kV / 5 kA)
Input attenuation aE, asym.	typ. 0.05 dB (\leq 0.10 dB)
Frequency range	380 MHz ... 470 MHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.05 (\leq 1,15)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	\leq 800 W
	\leq 4 kW (peak)
Surge protection fault message	None
Impulse durability (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2.5 kA
Impulse durability (conductor-shield)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Connection data

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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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B01561
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