

Surge protection device - CN-LAMBDA/4-0.47-SB - 2800022

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

Product Features

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



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 200.0 g |
| Custom tariff number | 85363010 |
| Country of origin | United States |

Technical data

Dimensions

| | |
|--------|-------|
| Height | 32 mm |
| Width | 32 mm |
| Depth | 81 mm |

Ambient conditions

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

General

| | |
|------------------|---|
| Housing material | Brass (CuZn) |
| Color | nickel |
| Mounting type | Connection-specific intermediate plugging |
| Type | Attachment plug |

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Technical data

General

| | |
|---------------------|--------------------------|
| 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 |
| Nominal current I_N | 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 |
| Total surge current (8/20) μ s | 30 kA |
| Total surge current (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 |
| Impulse discharge 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 |
| Voltage protection level U_p (core-ground) | ≤ 95 V (C2 - 10 kV / 5 kA) |
| Voltage 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 ($\leq 1,15$) |
| Permissible HF power P_{max} at VSWR = xx (50 ohm system) | ≤ 800 W |
| | ≤ 4 kW (peak) |
| 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

| | |
|---------------------|---------------------|
| Connection method | N Connector |
| Connection type IN | N connector, male |
| Connection type OUT | N connector, female |

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Technical data

Standards and Regulations

| | |
|-----------------------|--------------|
| Standards/regulations | IEC 61643-21 |
|-----------------------|--------------|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |
| eCl@ss 9.0 | 27130807 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000943 |
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |
| ETIM 5.0 | EC000943 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Surge protection device - CN-LAMBDA/4-0.47-SB - 2800022

Approvals

Approvals submitted

Approval details

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| EAC |
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Drawings

Circuit diagram

