

## Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491

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



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 556149 |
| GTIN         | 4046356556149                                                                                           |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Height | 25 mm   |
| Width  | 84.8 mm |
| Depth  | 81.5 mm |

#### Ambient conditions

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Ambient temperature (operation)         | -40 °C ... 70 °C                       |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C                       |
| Altitude                                | ≤ 2000 m (amsl (above mean sea level)) |
| Degree of protection                    | IP55                                   |

#### General

|                     |                                           |
|---------------------|-------------------------------------------|
| Housing material    | HPb59-1                                   |
| Color               | nickel                                    |
| Mounting type       | Connection-specific intermediate plugging |
| Type                | Attachment plug                           |
| Number of positions | 2                                         |
| Direction of action | Line-Shield/Earth Ground                  |

#### Protective circuit

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## Technical data

### Protective circuit

|                                                                  |                                    |
|------------------------------------------------------------------|------------------------------------|
| IEC test classification                                          | C2                                 |
|                                                                  | C3                                 |
|                                                                  | D1                                 |
| Rated current                                                    | 2 A (25 °C)                        |
| Nominal discharge current $I_n$ (8/20) $\mu$ s (line-earth)      | 6 kA                               |
| Nominal discharge current $I_n$ (8/20) $\mu$ s (line-shield)     | 6 kA                               |
| Pulse discharge current $I_{imp}$ (10/350) $\mu$ s (line-shield) | 1 kA                               |
| Total discharge current $I_{total}$ (8/20) $\mu$ s               | 6 kA                               |
| Output voltage limitation at 1 kV/ $\mu$ s (line-earth) static   | $\leq 1$ V                         |
| Output voltage limitation at 1 kV/ $\mu$ s (line-shield) static  | $\leq 1$ V                         |
| Voltage protection level $U_p$ (line-earth)                      | $\leq 5$ V (C1 - 1 kV/500 A)       |
|                                                                  | $\leq 25$ V (C2 - 10 kV / 5 kA)    |
|                                                                  | $\leq 15$ V (6 kV / 3 kA)          |
| Input attenuation aE, asym.                                      | $\leq 1$ dB (0.8 GHz ... 2.25 GHz) |
| Frequency range                                                  | 0.8 GHz ... 2.25 GHz               |
| Standing wave ratio SWR in a 50 $\Omega$ system                  | $\leq 1.2$ (0.8 GHz ... 2.25 GHz)  |
|                                                                  | $\leq 1.1$ (1.7 GHz ... 2.1 GHz)   |
| Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)      | $\leq 110$ W (VSWR = 1,0 / 40 °C)  |
|                                                                  | $\leq 60$ W (VSWR = 1,0 / 70 °C)   |
| Surge protection fault message                                   | none                               |
| Impulse durability (line-earth)                                  | C2 - 10 kV / 5 kA                  |
|                                                                  | D1 - 1 kA                          |
| Impulse durability (line-shield)                                 | C2 - 10 kV/5 kA                    |
|                                                                  | D1 - 1 kA                          |

### Connection data

|                       |                                 |
|-----------------------|---------------------------------|
| Connection method     | SMA connector                   |
| Connection method IN  | SMA connector, female connector |
| Connection method OUT | SMA connector, male connector   |

### Standards and Regulations

|                          |                                       |
|--------------------------|---------------------------------------|
| Standards/specifications | IEC 61643-21 2000 + A1:2008, modified |
|                          | EN 61643-21 2001 + A1:2009            |

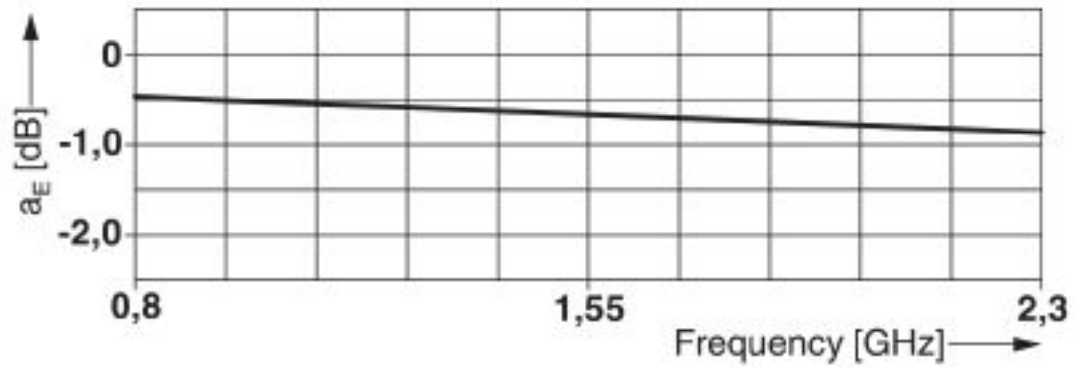
### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

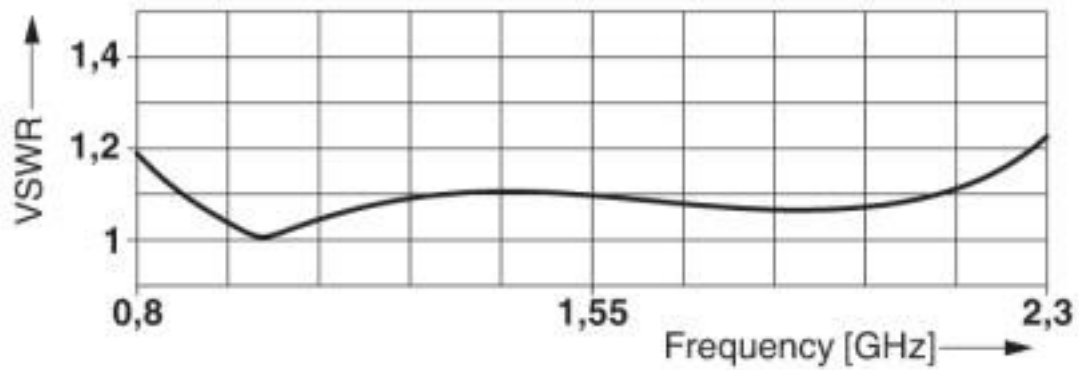
## Drawings

## Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491

Diagram

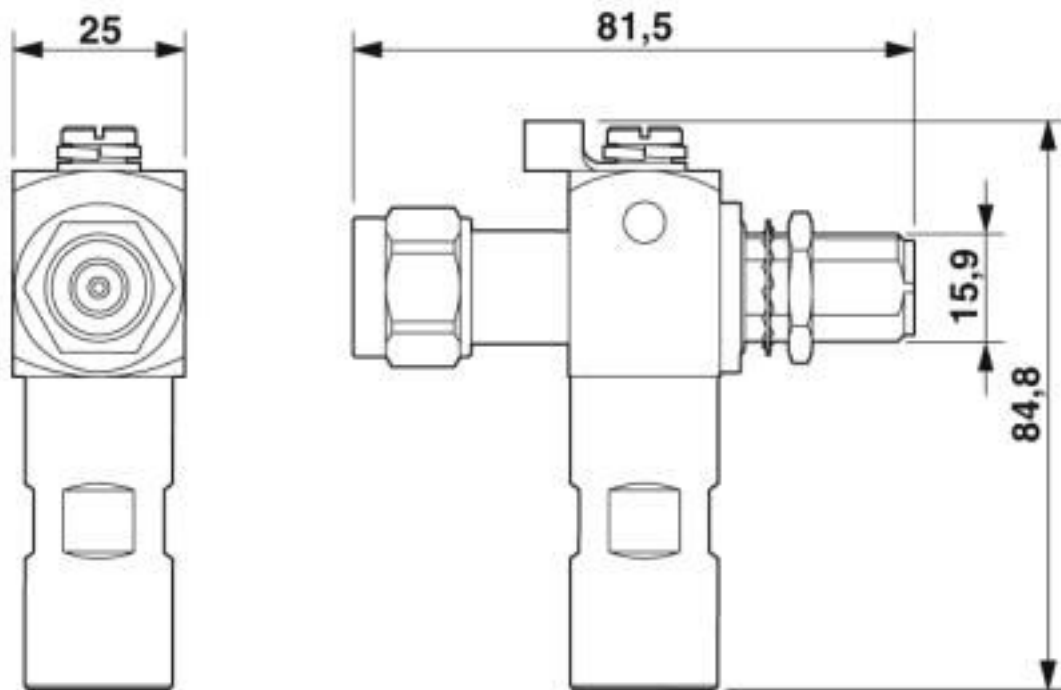


Diagram

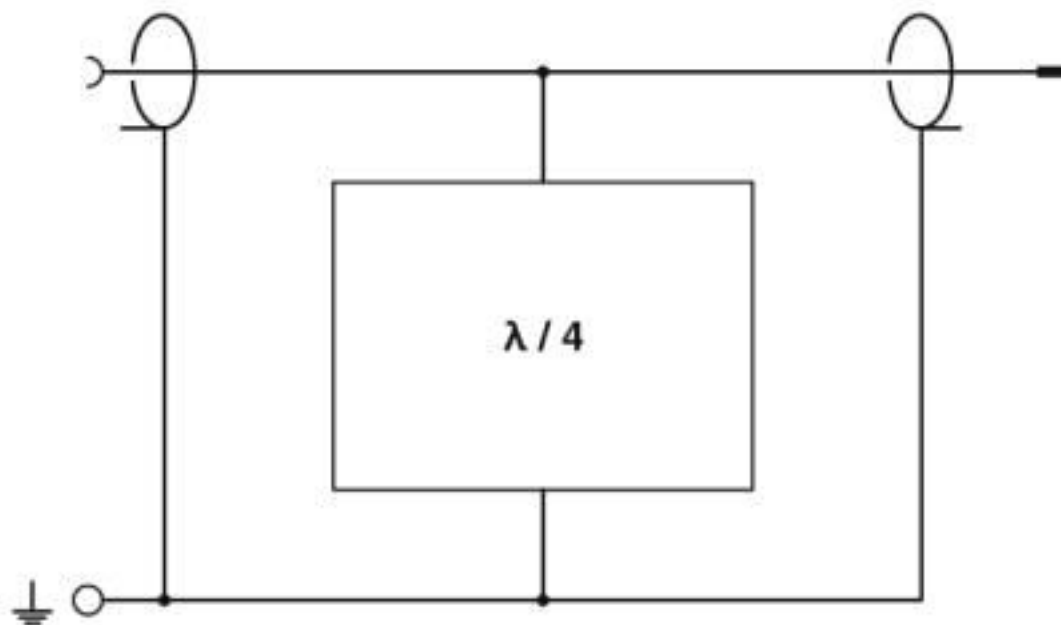


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Dimensional drawing



Circuit diagram



### Classifications

eCl@ss

eCl@ss 10.0.1

27130807

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27130800 |
| eCl@ss 4.1 | 27130800 |
| eCl@ss 5.0 | 27130800 |
| eCl@ss 5.1 | 27130800 |
| eCl@ss 6.0 | 27130800 |
| 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 |
| ETIM 6.0 | EC000943 |
| ETIM 7.0 | EC000943 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11     | 39121610 |
| UNSPSC 12.01  | 39121610 |
| UNSPSC 13.2   | 39121620 |
| UNSPSC 18.0   | 39121620 |
| UNSPSC 19.0   | 39121620 |
| UNSPSC 20.0   | 39121620 |
| UNSPSC 21.0   | 39121620 |

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

#### Approval details

## Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491

### Approvals

EAC



EAC-Zulassung

### Accessories

#### Accessories

#### Assembly adapter

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

Mounting plate - CN-UB/MP-90DEG-50 - 2803137



Angled bracket for individually fixing CN-UB... to housing panels, for example.

### Additional products

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

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