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## Surge protection device - C7/16-LAMBDA/4-2.0-BS-SET - 2839046

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Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: N connectors on 7/16 socket / plug



The illustration shows a combination of versions C7/16-LAMBDA/- 4-2.0-BS-SET, -4-2.0-BB-SET and CN-LAMBDA/4-2.0-BB

### Product Features

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



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	360.1 GRM
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Dimensions

Height	35.5 mm
Width	52 mm
Depth	147 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C
Degree of protection	IP55

#### General

Housing material	Nickel-plated brass
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# Surge protection device - C7/16-LAMBDA/4-2.0-BS-SET - 2839046

## Technical data

### General

Color	nickel
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Number of positions	2
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) $\mu$ s (Core-Earth)	20 kA
Nominal discharge current $I_n$ (8/20) $\mu$ s (Core-Shield)	20 kA
Total surge current (8/20) $\mu$ s	20 kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 10$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 10$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 10$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 10$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 20$ V
Residual voltage at $I_n$ , (conductor-shield)	$\leq 20$ V
Voltage protection level $U_P$ (Core-Earth)	$\leq 20$ V
Input attenuation aE, asym.	0.3 dB (1.7 GHz ... 2.3 GHz)
Frequency range	1.7 GHz ... 2.3 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	$\leq 1.25$ (1.7 GHz ... 2.3 GHz)
Permissible HF power $P_{max.}$ at SWR=xx (50 Ohm system)	$\leq 400$ W (VSWR = 1.2)
	$\leq 500$ W (VSWR = 1.0)
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	7/16 connector
Connection type IN	7/16 connector, female
Connection type OUT	7/16 connector, male

## Surge protection device - C7/16-LAMBDA/4-2.0-BS-SET - 2839046

### Technical data

#### Standards and Regulations

Standards/regulations	IEC 61643-21
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### 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

#### ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

#### UNSPSC

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

### Approvals

#### Approvals

Approvals

GOST

Ex Approvals

Approvals submitted



## Surge protection device - C7/16-LAMBDA/4-2.0-BS-SET - 2839046

### Approvals

#### Approval details



### 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

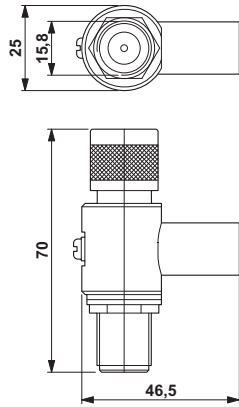


Tongue for attaching the CN-UB..., to housing panels, for example.

### Drawings

## Surge protection device - C7/16-LAMBDA/4-2.0-BS-SET - 2839046

Dimensioned drawing



Circuit diagram

