

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


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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	 4 046356 556149
GTIN	4046356556149
Weight per Piece (excluding packing)	260.000 g
Custom tariff number	85366910
Country of origin	Germany

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
------------------	---------

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

Technical data

General

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

Protective circuit

IEC test classification	C2
	C3
	D1
Rated current	2 A (25 °C)
Nominal discharge current I_n (8/20) μ s (line-earth)	6 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	6 kA
Pulse discharge current I_{imp} (10/350) μ s (line-shield)	1 kA
Total discharge current I_{total} (8/20) μ s	6 kA
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 1 V
Output voltage limitation at 1 kV/ μ s (line-shield) static	≤ 1 V
Voltage protection level U_p (line-earth)	≤ 5 V (C1 - 1 kV/500 A)
	≤ 25 V (C2 - 10 kV / 5 kA)
	≤ 15 V (6 kV / 3 kA)
Input attenuation aE, asym.	≤ 1 dB (0.8 GHz ... 2.25 GHz)
Frequency range	0.8 GHz ... 2.25 GHz
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.2 (0.8 GHz ... 2.25 GHz)
	≤ 1.1 (1.7 GHz ... 2.1 GHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	≤ 110 W (VSWR = 1,0 / 40 °C)
	≤ 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
--------------------------	---------------------------------------

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

Technical data

Standards and Regulations

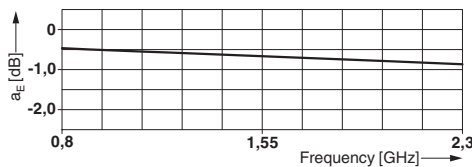
	EN 61643-21 2001 + A1:2009
--	----------------------------

Environmental Product Compliance

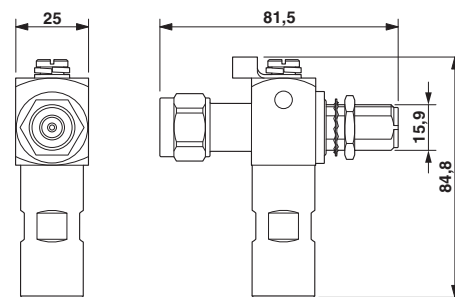
REACH SVHC	Lead 7439-92-1
------------	----------------

Drawings

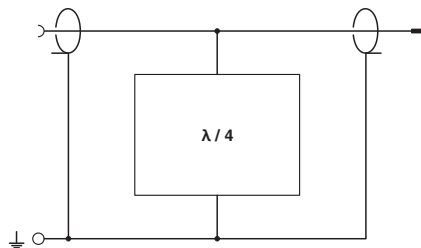
Diagram



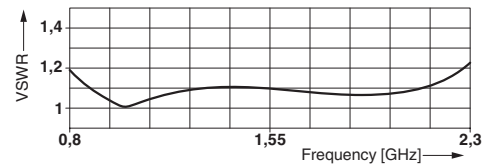
Dimensional drawing



Circuit diagram



Diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 11.0	27130807
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 9.0	27130807

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

Classifications

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	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

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
-----	---	---------------

Accessories

Accessories

Assembly adapter

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

Accessories

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.
