

## Plug - SP 2,5/ 1-L - 3043019

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Plug, Connection method: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 5.2 mm, Height: 39 mm, Color: gray

Illustration shows versions of the SP 2,5/1-... connector in various colors

### Product Description

Connector element left, left housing without engagement pin, right opened without cover

### Product Features

- Cable housing can be snapped on to the plugs, see figure below
- The plug with spring-cage connection is assembled directly on site by snapping together single-position plug elements
- The ST-COMBI plugs for self-assembly provide solutions that users can implement themselves



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	3.06 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Number of levels	1
Number of connections	1
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum load current	24 A (with a 2.5 mm <sup>2</sup> conductor cross section)

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## Technical data

### General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Maximum load current	24 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	500 V
Open side panel	No

### Dimensions

Width	5.2 mm
Length	15.8 mm
Height	39 mm
	24.00 mm
Pitch	5.20 mm

### Connection data

Connection method	Spring-cage connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	28
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection method	Plug connection

### Standards and Regulations

# Plug - SP 2,5/ 1-L - 3043019

## Technical data

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27141151
eCl@ss 7.0	27141151
eCl@ss 8.0	27141151

#### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC002021

#### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

### Approvals

#### Approvals

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#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / GL / BV / RS / IEC EE CB Scheme / EAC / EAC / cULus Recognized

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#### Ex Approvals

# Plug - SP 2,5/ 1-L - 3043019


## Approvals

Approvals submitted


### Approval details

CSA 


	B	C	D
mm <sup>2</sup> /AWG/kcmil	24-12	24-12	24-12
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	300 V

UL Recognized 

	B	C	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

VDE Gutachten mit Fertigungsüberwachung 

mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal voltage U <sub>N</sub>	500 V

cUL Recognized 

	B	C	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

LR

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## Approvals

GL

BV

RS

IECEE CB Scheme	
mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal voltage UN	500 V

EAC

EAC

cULus Recognized

## Drawings

### Diagram

Derating  
 curve  
 for  
 ST  
 2,5/  
 TWIN-  
 3P/1P,  
 3P/  
 2P-  
 SWIN-  
 2S/1P  
 3P/1P/  
 1P  
 and  
 plug  
 versions  
 Fig. .

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versions  
SP... .

## Diagram

Derating  
curve  
for  
STTB  
2,5/  
QUATTRO/2P,  
STTB  
2,5/  
QUATTRO/4P  
and  
for  
all  
plug  
versions  
versions  
SP... .

## Diagram

Derating  
curve  
for  
ST  
2,5-4L/1P,  
ST  
2,5-4L/2P  
and  
for  
all  
plug  
versions  
versions  
SP... .

## Circuit diagram



# Plug - SP 2,5/ 1-L - 3043019

Schematic diagram

