

Plug - SP-H 2,5/ 1-L BU - 3210790

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Plug, Connection method: Spring-cage connection, Plug connection, Number of connections: 1, Number of positions: 1, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 5.2 mm, Height: 39 mm, Color: blue

Product Description


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

Why buy this product

- 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
- Tested for railway applications



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 411783
GTIN	4046356411783
Weight per Piece (excluding packing)	2.990 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

General

Number of positions	1
Number of levels	1
Number of connections	1
Potentials	1
Nominal cross section	2.5 mm ²

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Technical data

General

Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Maximum load current	24 A (with a 2.5 mm ² conductor cross section)
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W
Maximum load current	24 A (with 4 mm ² conductor cross section)
Nominal current I _N	24 A
Nominal voltage U _N	500 V
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	5.2 mm
Length	15.8 mm
Height	39 mm
	24 mm
Pitch	5.2 mm

Connection data

Connection method	Spring-cage connection
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Technical data

Connection data

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

Standards and Regulations

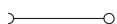
Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

Environmental Product Compliance

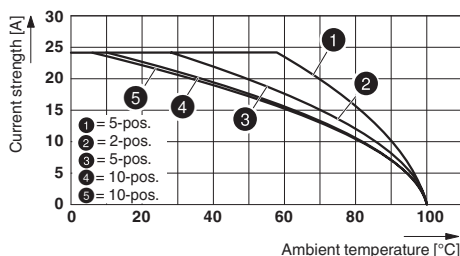
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Diagram



Plug - SP-H 2,5/ 1-L BU - 3210790

Schematic diagram



Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / VDE report with production monitoring / IECCE CB Scheme / cULus Recognized

Ex Approvals


Approval details


CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	
mm ² /AWG/kcmil	26-12	26-12	
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	


UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	26-12	26-12	
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	


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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	C
mm ² /AWG/kcmil		26-12	26-12
Nominal current IN		20 A	20 A
Nominal voltage UN		300 V	300 V

EAC			7500651.22.01.00246
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VDE report with production monitoring		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40019518
mm ² /AWG/kcmil		0.2-4	
Nominal voltage UN		500 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-57873_B1
mm ² /AWG/kcmil		0.2-4	
Nominal voltage UN		500 V	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
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