

Plug - SP-H 2,5/ 4 - 3210648

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>)



Plug, Connection method: Spring-cage connection, Number of positions: 4, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 20.8 mm, Height: 39 mm, Color: gray

The figure shows the 6-pos. version

Product Features

- Large-surface labeling option
- Practical coding option
- Tested for railway applications



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	12.0 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	4
Nominal cross section	2.5 mm ²
Color	gray
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)

Plug - SP-H 2,5/ 4 - 3210648

Technical data

General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	24 A (with 4 mm ² conductor cross section)
Nominal current I _N	24 A
Nominal voltage U _N	500 V
Open side panel	No

Dimensions

Width	20.8 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 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
----------------------------------	-----

Plug - SP-H 2,5/ 4 - 3210648

Technical data

Standards and Regulations

	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
eCl@ss 9.0	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

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Plug - SP-H 2,5/ 4 - 3210648

Approvals

Approvals submitted

Approval details

CSA 		
	B	C
mm²/AWG/kcmil	26-12	26-12
Nominal current I _N	20 A	20 A
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	C
mm²/AWG/kcmil	26-12	26-12
Nominal current I _N	20 A	20 A
Nominal voltage U _N	300 V	300 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	26-12	26-12
Nominal current I _N	20 A	20 A
Nominal voltage U _N	300 V	300 V

EAC

cULus Recognized 
--

Accessories

Accessories

Cable housing

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Cable housing - PH 2,5/ 4 - 3209714



Cable housing, Pitch: 20.8 mm, Length: 19.9 mm, Width: 20.8 mm, Height: 36.8 mm, Number of positions: 4, Color: gray

Cable housing - PH 2,5/ 5 - 3209727



Cable housing, Pitch: 26 mm, Length: 19.9 mm, Width: 26 mm, Height: 36.8 mm, Number of positions: 5, Color: gray

Cable housing - PH 2,5/ 6 - 3209730



Cable housing, Pitch: 31.2 mm, Length: 19.9 mm, Width: 31.2 mm, Height: 36.8 mm, Number of positions: 6, Color: gray

Cable housing - PH 2,5/ 7 - 3209743



Cable housing, Pitch: 36.4 mm, Length: 19.9 mm, Width: 36.4 mm, Height: 36.8 mm, Number of positions: 7, Color: gray

Cable housing - PH 2,5/ 8 - 3209756



Cable housing, Pitch: 41.6 mm, Length: 19.9 mm, Width: 41.6 mm, Height: 36.8 mm, Number of positions: 8, Color: gray

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Cable housing - PH 2,5/ 9 - 3209507



Cable housing, Pitch: 46.8 mm, Length: 19.9 mm, Width: 46.8 mm, Height: 36.8 mm, Number of positions: 9, Color: gray

Cable housing - PH 2,5/10 - 3209769



Cable housing, Pitch: 52 mm, Length: 19.9 mm, Width: 52 mm, Height: 36.8 mm, Number of positions: 10, Color: gray

Cable housing - PH 2,5/11 - 3209772



Cable housing, Pitch: 57.2 mm, Length: 19.9 mm, Width: 57.2 mm, Height: 36.8 mm, Number of positions: 11, Color: gray

Cable housing - PH 2,5/12 - 3209785



Cable housing, Pitch: 62.4 mm, Length: 19.9 mm, Width: 62.4 mm, Height: 36.8 mm, Number of positions: 12, Color: gray

Cable housing - PH 2,5/13 - 3209798



Cable housing, Pitch: 67.6 mm, Length: 19.9 mm, Width: 67.6 mm, Height: 36.8 mm, Number of positions: 13, Color: gray

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Cable housing - PH 2,5/14 - 3209808



Cable housing, Pitch: 72.8 mm, Length: 19.9 mm, Width: 72.8 mm, Height: 36.8 mm, Number of positions: 14, Color: gray

Cable housing - PH 2,5/15 - 3209811



Cable housing, Pitch: 78 mm, Length: 19.9 mm, Width: 78 mm, Height: 36.8 mm, Number of positions: 15, Color: gray

End cover

Flange cover - DF-SP-H 2,5 - 3209824



Flange cover, Length: 35.8 mm, Width: 4.5 mm, Height: 24.7 mm, Color: gray

Flange

Flange cover - DFS-SP-H 2,5 - 3061431



Flange cover, Length: 35.8 mm, Width: 4.5 mm, Height: 24.7 mm, Color: gray

Insulating sleeve

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

Insulating sleeve - ISH 2,5/0,2 - 3002843



Insulating sleeve, Color: white

Insulating sleeve - ISH 2,5/0,5 - 3002856



Insulating sleeve, Color: gray

Insulating sleeve - ISH 2,5/1,0 - 3002869



Insulating sleeve, Color: black

Mounting material

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Latching - PR - 3040559



Latching, Number of positions: 1, Color: orange

Latching - PR/2 - 3040630



Latching, Number of positions: 2, Color: orange

Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange

Latching - PRZ - 3040614



Latching, Length: 3 mm, Width: 5.2 mm, Number of positions: 2, Color: orange

Screwdriver tools

Screwdriver - ST-BW - 1207608



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Shield connection

Shield connection clip - PSH 3- 6 - 3040591



Shield connection clip, Color: black

Shield connection clip - PSH 5-10 - 3040601



Shield connection clip, Color: black

Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, Number of positions: 2, Color: black

Strain relief - PZ/4 - 3040643



Strain relief, Number of positions: 4, Color: black

Test plug terminal block

Plug - SP-H 2,5/ 4 - 3210648

Accessories

Test plugs - MPS-MT - 0201744



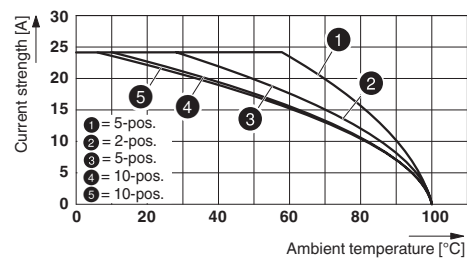
Test plugs, Color: silver

Drawings

Circuit diagram



Diagram



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[3210648](#)