

## Plug - PP-H 2,5/24 - 3061897

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Plug, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 24, number of positions: 24, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 124.8 mm, height: 39 mm, color: gray

### Why buy this product

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves

### Key Commercial Data

Packing unit	1
GTIN	 4 046356 667371
GTIN	4046356667371
Custom tariff number	85366990

### Technical data

#### General

Number of positions	24
Number of levels	1
Number of connections	24
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

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## Technical data

### General

Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W
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
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	124.8 mm
Length	15.8 mm
Height	39 mm
	24 mm
Pitch	5.2 mm

### Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm <sup>2</sup>

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## Technical data

### Connection data

Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	26
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	10 mm
Internal cylindrical gage	A3

### Standards and Regulations

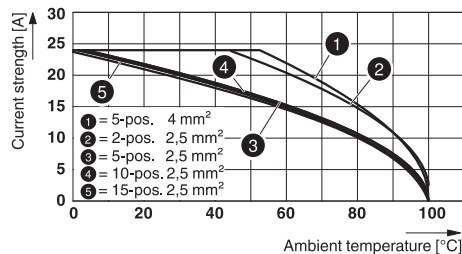
Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

### Environmental Product Compliance

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

## Drawings

Diagram



# Plug - PP-H 2,5/24 - 3061897

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27141100
eCl@ss 7.0	27141151
eCl@ss 8.0	27141151
eCl@ss 9.0	27141151

### ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC002021
ETIM 6.0	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 / cUL Recognized / cULus Recognized

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#### Ex Approvals

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### Approval details

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## Approvals

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	C	
Nominal voltage UN	300 V	300 V	
Nominal current IN	20 A	20 A	
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	D	B	C
Nominal voltage UN	600 V	300 V	300 V
Nominal current IN	5 A	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	D	B	C
Nominal voltage UN	600 V	300 V	300 V
Nominal current IN	5 A	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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## Accessories

### Accessories

#### Cable housing

Cable housing - PH 2,5/ 2 - 3209691



Cable housing, pitch: 10.4 mm, length: 19.9 mm, width: 10.4 mm, height: 36.8 mm, number of positions: 2, color: gray

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### Accessories

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#### Cable housing - PH 2,5/ 3 - 3209701



Cable housing, pitch: 15.6 mm, length: 19.9 mm, width: 15.6 mm, height: 36.8 mm, number of positions: 3, color: gray

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#### 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

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#### 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

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#### 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

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#### 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

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### Accessories

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

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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

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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

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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

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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

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## Plug - PP-H 2,5/24 - 3061897

### Accessories

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

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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

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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

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### 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

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### 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



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### Accessories

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#### Insulating sleeve

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



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### 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

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### Accessories

Latching - PR - 3040559



Latching, length: 29.8 mm, width: 10 mm, number of positions: 1, color: orange

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Latching - PR/2 - 3040630



Latching, length: 29.8 mm, width: 10 mm, number of positions: 2, color: orange

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Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, length: 23.2 mm, width: 9 mm, number of positions: 2, color: orange

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Latching - PRZ - 3040614



Latching, length: 63.6 mm, width: 9.7 mm, number of positions: 2, color: orange

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### Screwdriver tools

Screwdriver - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

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## Plug - PP-H 2,5/24 - 3061897

### Accessories

#### Shield connection

Shield connection clip - PSH 3-6 - 3040591



Shield connection clip, color: black

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Shield connection clip - PSH 5-10 - 3040601



Shield connection clip, color: black

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#### Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, length: 48.7 mm, width: 9.3 mm, number of positions: 2, color: black

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Strain relief - PZ/4 - 3040643



Strain relief, length: 48.7 mm, width: 19.6 mm, number of positions: 4, color: black

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#### Test plug terminal block

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### Accessories

Test plugs - MPS-MT - 0201744



, rated voltage (III/2): , nominal current (Ex): , nominal voltage (Ex): , number of positions: 1, pitch: 5 mm, connection method: , mounting: ,

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