

## Plug - PP-H 2,5/11 - 3209963

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>)



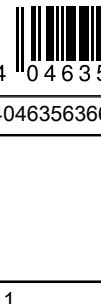
Plug, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 11, number of positions: 11, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 57.2 mm, height: 40.2 mm, color: gray

### Your advantages

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



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 046356 366854
GTIN	4046356366854

### Technical data

#### General

Number of positions	11
Number of levels	1
Number of connections	11
Potentials	1
Nominal cross section	2.5 mm <sup>2</sup>
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 <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV

# Plug - PP-H 2,5/11 - 3209963

## Technical data

### General

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 <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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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	57.2 mm
Length	15.8 mm
Height	40.2 mm
	24 mm
Pitch	5.2 mm

### Connection data

Connection	1 level
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
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>
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>

# Plug - PP-H 2,5/11 - 3209963

## Technical data

### Connection data

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>
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm <sup>2</sup>
Connection cross sections directly pluggable	0.34 mm <sup>2</sup> 4 mm <sup>2</sup>
Conductor cross section solid min.	0.34 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 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.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Internal cylindrical gage	A3

### Standards and Regulations

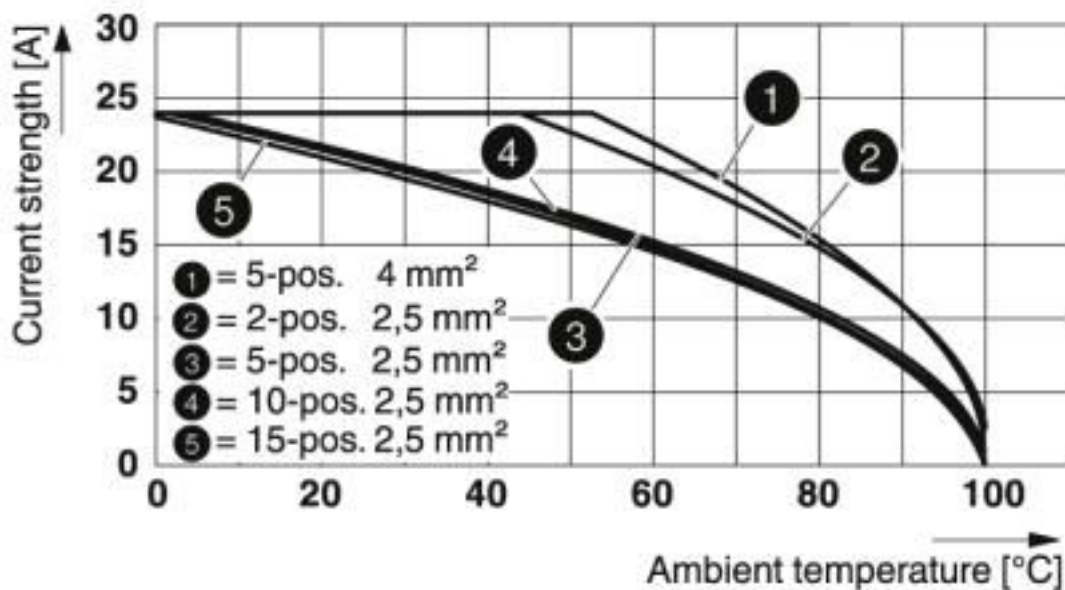
Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Drawings

Diagram



# Plug - PP-H 2,5/11 - 3209963

Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141151
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC002021
ETIM 6.0	EC002021
ETIM 7.0	EC002021

### UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402
UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

## Approvals

### Approvals

#### Approvals

DNV GL / CSA / BV / LR / NK / ABS / UL Recognized / cUL Recognized / EAC / RS / EAC / LR / cULus Recognized

# Plug - PP-H 2,5/11 - 3209963

## Approvals

Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00003JE
--------	--	---	------------

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	

BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	25278/B0 BV
----	--	---	-------------

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	12/20038 (E3)
----	--	---	---------------

NK		<a href="http://www.classnk.or.jp/hp/en/">http://www.classnk.or.jp/hp/en/</a>	14ME0912
----	--	---	----------

ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	16-HG1591536-PDA
-----	--	---	------------------

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
	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12

# Plug - PP-H 2,5/11 - 3209963

## Approvals

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

	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	26-12

EAC			RU C- DE.A*30.B.01742
-----	--	--	--------------------------

RS		<a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a>	17.00013.272
----	--	---	--------------

EAC			RU C- DE.BL08.B.00511
-----	--	--	--------------------------

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	14/20056
----	--	---	----------

cULus Recognized			
------------------	--	--	--

## 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

## Plug - PP-H 2,5/11 - 3209963

### Accessories

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

---

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

---

## Plug - PP-H 2,5/11 - 3209963

### 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

---

#### 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

---



## Plug - PP-H 2,5/11 - 3209963

### 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

---

#### 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 - PP-H 2,5/11 - 3209963

### 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 - PP-H 2,5/11 - 3209963

### 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



Labeled terminal marker

## Plug - PP-H 2,5/11 - 3209963

### Accessories

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

## Plug - PP-H 2,5/11 - 3209963

### Accessories

#### Marker for terminal blocks - UC-TMF 5 CUS - 0824638



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

---

#### Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

---

### Mounting material

#### Latching - PR - 3040559



Latching, length: 29.8 mm, width: 4.4 mm, number of positions: 1, color: orange

---

#### Latching - PR/2 - 3040630



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

---

#### 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

## Plug - PP-H 2,5/11 - 3209963

### Accessories

Latching - PRZ - 3040614



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

---

### Screwdriver tools

Actuation tool - ST-BW - 1207608



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

---

### Shield connection

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, color: black

---

Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, color: black

---

### Strain relief

Strain relief - PZ/2 - 3040627



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

---

## Plug - PP-H 2,5/11 - 3209963

### Accessories

Strain relief - PZ/4 - 3040643



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

---

### Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

---

Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

---

Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

---

### Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

---

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Pluggable Terminal Blocks](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[57.510.0053](#) [MC 1.5/ 6-ST-3.5 GY AU](#) [ET02015000J0G](#) [734-104](#) [734-302](#) [8-141-P](#) [8426620000](#) [860505](#) [860516](#) [860810](#) [GBPACX-12](#)  
[93.731.4953.0](#) [PV05-5,08-K](#) [PVP03-3,50](#) [PVP04-3,50](#) [PVS02-5,00](#) [1-1986160-3](#) [1377680000](#) [1531000000](#) [1546228-5](#) [ELFH16150](#)  
[ELFP03110](#) [ELFP10210](#) [ELFT06250](#) [ELVP03100](#) [1700101](#) [1700410](#) [1700425](#) [1702246](#) [1705229](#) [1710175](#) [1714537](#) [1717806](#) [1719600](#)  
[1728941](#) [1734692](#) [1734795](#) [1736036](#) [1740194](#) [1740291](#) [1740628](#) [1740990](#) [1746952](#) [1750207](#) [1752441](#) [1752865](#) [1754115](#) [1754144](#)  
[1756913](#) [1760051](#)