

PP-H 1,5/S/13 - Plug

3212620

<https://www.phoenixcontact.com/sg/products/3212620>



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 documentation. Our general terms of use for downloads are valid.



Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 13, number of positions: 13, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², 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

Commercial data

Item number	3212620
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	*****
Product key	BE2244
Catalog page	Page 284 (C-1-2019)
GTIN	4046356565769
Weight per piece (including packing)	22.754 g
Weight per piece (excluding packing)	20.199 g
Customs tariff number	85366990
Country of origin	PL

PP-H 1,5/S/13 - Plug



3212620

<https://www.phoenixcontact.com/sg/products/3212620>

Technical data

Product properties

Product type	Terminal plug
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	13
Pitch	3.5 mm
Number of connections	13
Number of rows	1
Type	other
Potentials	13

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	13
Nominal cross section	1.5 mm ²

1 level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1 mm ²
Nominal current	17.5 A (observe derating)
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.25 mm ² ... 1.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1 mm ²

PP-H 1,5/S/13 - Plug



3212620

<https://www.phoenixcontact.com/sg/products/3212620>

Dimensions

Width	45.5 mm
Height	16.5 mm
Depth	31.3 mm
Pitch	3.5 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Environmental and real-life conditions

Ambient conditions

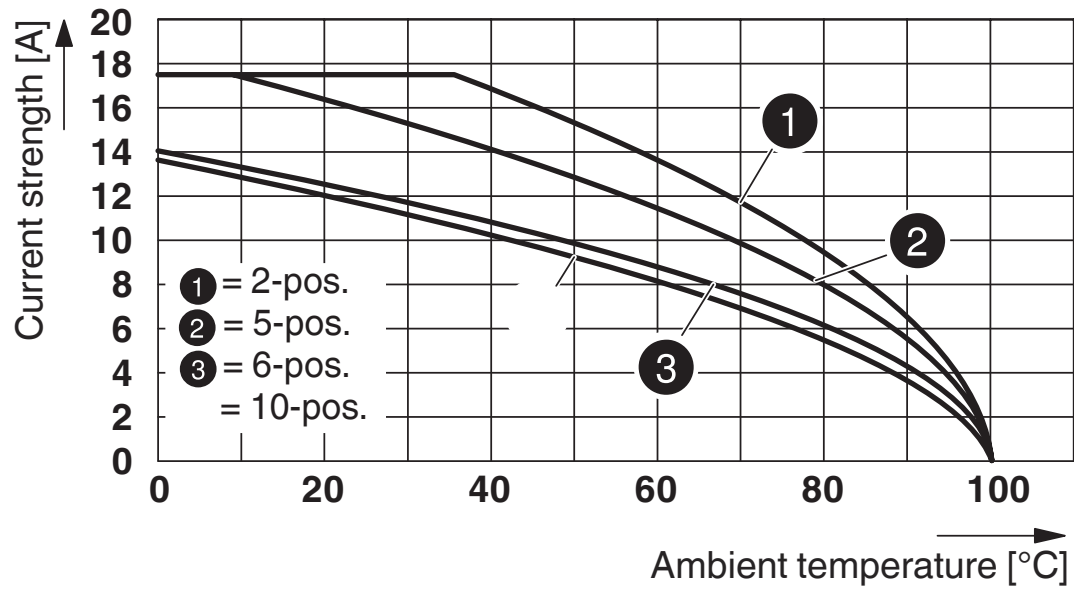
Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Drawings

Diagram



Circuit diagram



PP-H 1,5/S/13 - Plug



3212620

<https://www.phoenixcontact.com/sg/products/3212620>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3212620>

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	15 A	26 - 14	-
Use group C	300 V	15 A	26 - 14	-
Use group D	600 V	5 A	26 - 14	-

 IECEE CB Scheme Approval ID: DE1-65179				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	-	-	0.14 - 1.5

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	15 A	26 - 14	-
Use group C	300 V	15 A	26 - 14	-
Use group D	600 V	5 A	26 - 14	-

 LR Approval ID: LR2371832TA				
---	--	--	--	--

 NK Approval ID: 14ME0912				
--	--	--	--	--

 BV Approval ID: 39979/B0 BV				
---	--	--	--	--

 VDE report with production monitoring Approval ID: 40034766				
---	--	--	--	--

PP-H 1,5/S/13 - Plug

3212620

<https://www.phoenixcontact.com/sg/products/3212620>



	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	500 V	-	-	-

DNV

Approval ID: TAE000010T



EAC

Approval ID: EACKZ 08593

PP-H 1,5/S/13 - Plug

3212620

<https://www.phoenixcontact.com/sg/products/3212620>



Classifications

ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250306

ETIM

ETIM 9.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PP-H 1,5/S/13 - Plug

3212620

<https://www.phoenixcontact.com/sg/products/3212620>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg