

PP-H 4/ 1-M BU - Plug



3211964
<https://www.phoenixcontact.com/za/products/3211964>

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: 800 V, nominal current: 32 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1st level connection left, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², color: blue

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	3211964
Packing unit	50 pc
Minimum order quantity	1 pc
Sales key	BE2
Product key	BE2244
Catalog page	Page 327 (C-1-2019)
GTIN	4046356482981
Weight per piece (including packing)	5,125 g
Weight per piece (excluding packing)	4,538 g
Customs tariff number	85366990
Country of origin	PL

PP-H 4/ 1-M BU - Plug



3211964

<https://www.phoenixcontact.com/za/products/3211964>

Technical data

Product properties

Product type	Terminal plug
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	1
Pitch	6.2 mm
Number of connections	1
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	1
Nominal cross section	4 mm ²

1st level connection left

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	32 A (with 6 mm ² conductor cross section)
Nominal voltage	800 V
Nominal cross section	4 mm ²

1st level connection left Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²

PP-H 4/ 1-M BU - Plug



3211964

<https://www.phoenixcontact.com/za/products/3211964>

Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²
--	---

Dimensions

Width	6.2 mm
Height	21 mm
Depth	42.3 mm
Pitch	6.2 mm

Material specifications

Color	blue
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, no longer than 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
----------------------------------	-----------

Mounting

PP-H 4/ 1-M BU - Plug

3211964

<https://www.phoenixcontact.com/za/products/3211964>

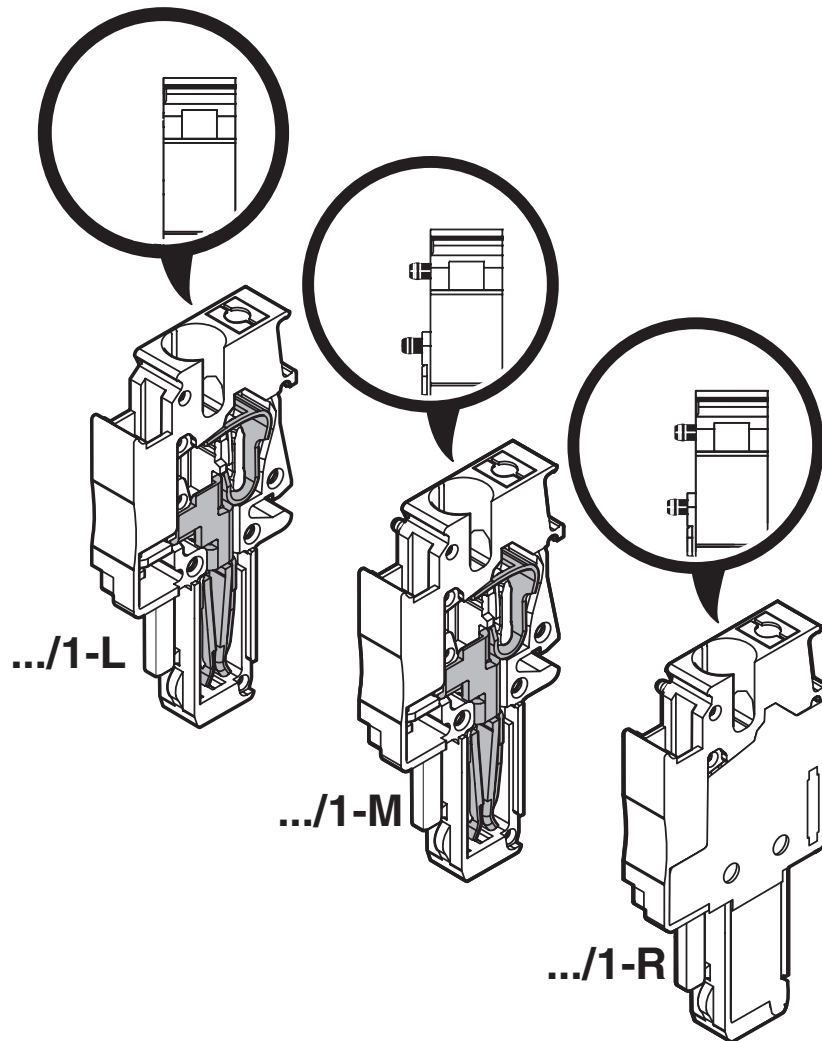


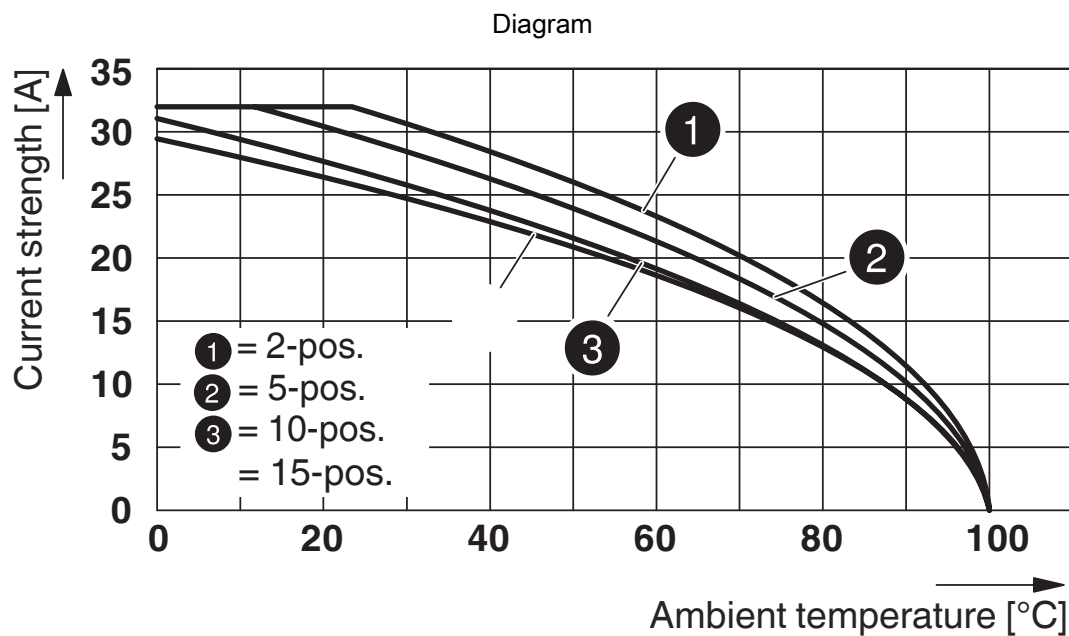
Assembly note

Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly

Drawings

Schematic diagram





Circuit diagram



PP-H 4/ 1-M BU - Plug



3211964

<https://www.phoenixcontact.com/za/products/3211964>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/za/products/3211964>

DNV

Approval ID: TAE000010T



IECEE CB Scheme

Approval ID: DE1-64672_B1_B2

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	800 V	32 A	-	-



EAC

Approval ID: RU C-DE.BL08.B.00511



cULus Recognized

Approval ID: E60425



BV

Approval ID: 39979/B0 BV



VDE Zeichengenehmigung

Approval ID: 40043445

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	800 V	32 A	-	0.2 - 4



cULus Recognized

Approval ID: E60425



cULus Recognized

Approval ID: E60425

PP-H 4/ 1-M BU - Plug



3211964

<https://www.phoenixcontact.com/za/products/3211964>

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 4/ 1-M BU - Plug



3211964
<https://www.phoenixcontact.com/za/products/3211964>

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 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (Pty) Ltd.
36 Lyn Road P.O. Box 916 ZA-Ferndale 2160

+27/11/801-8200
info@phoenixcontact.co.za