

Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



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, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², color: blue

Product Description

Connector element center, left housing with engagement pin, right opened without cover

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	3212691
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE2244
Catalog Page	Page 285 (C-1-2019)
GTIN	4046356565837
Weight per Piece (including packing)	1,899 g
Weight per Piece (excluding packing)	1,899 g
Customs tariff number	85366990
Country of origin	PL

Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Technical Data

Product properties

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

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	1
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 solid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o 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 solid	0.25 mm ² ... 1.5 mm ²
Flexible conductor cross section flexible (ferrule, w/o plastic	0.34 mm ² ... 1.5 mm ²

Plug - PP-H 1,5/S/1-M BU



3212691

<https://www.phoenixcontact.com/de/produkte/3212691>

sleeve)	
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1 mm ²

Dimensions

Width	3.5 mm
Height	31.3 mm
Length	16.5 mm
Pitch	3.5 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 ... 105 °C (max. short-term operating temperature RTI Elec.)
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 (storage/transport)	30 % ... 70 %

Standards and regulations

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

Mounting

Plug - PP-H 1,5/S/1-M BU

3212691

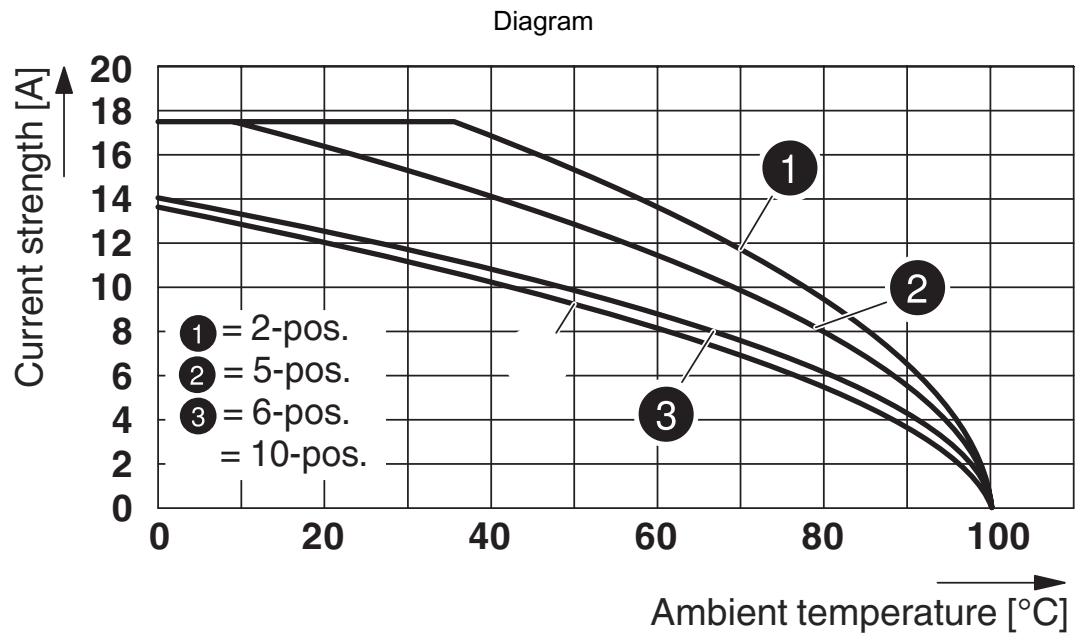
<https://www.phoenixcontact.com/de/produkte/3212691>



Assembly instructions

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

Drawings



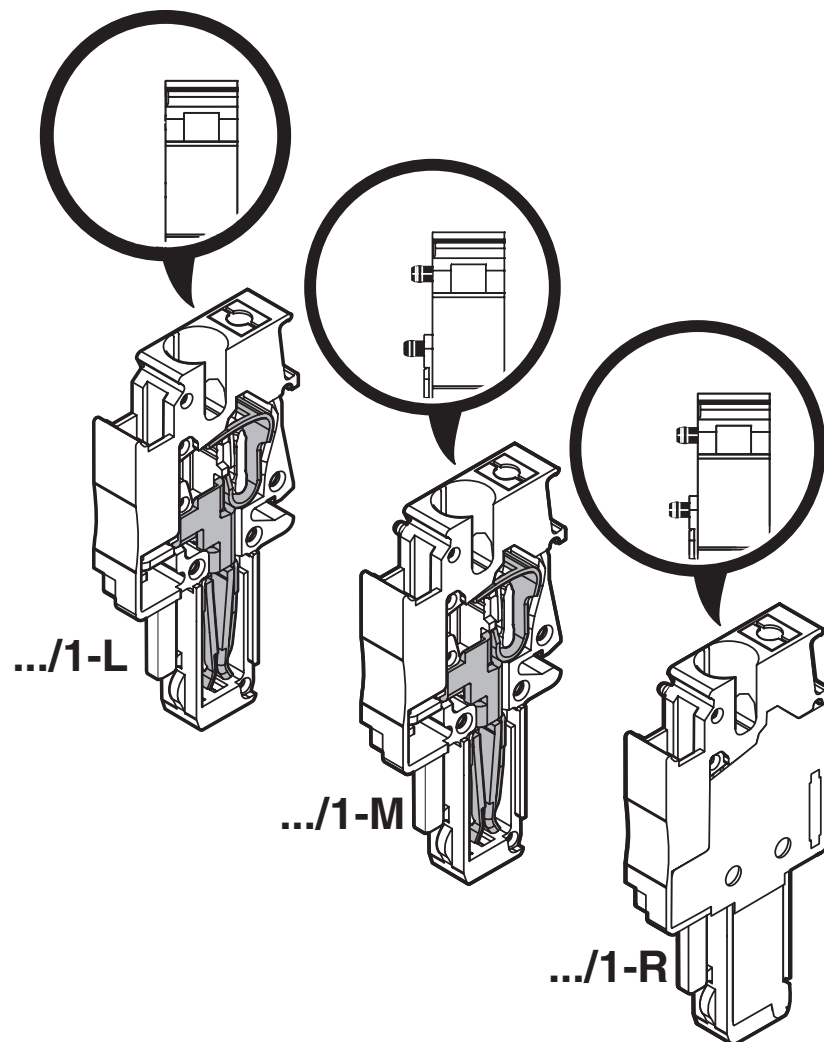
Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Schematic diagram



Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Circuit diagram



Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Approvals

DNV

Approval ID: TAE00003JE



CSA

Approval ID: 13631

	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



EAC

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



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: 12/20038 (E3)



NK

Approval ID: 14ME0912

Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>





BV

Approval ID: 39979/B0 BV

	VDE Gutachten mit Fertigungsüberwachung			
	Approval ID: 40034766			
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	500 V		-	0.14 - 1.5

Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Classifications

ECLASS

ECLASS-9.0	27141151
ECLASS-10.0.1	27141151
ECLASS-11.0	27141151

ETIM

ETIM 8.0	EC002021
----------	----------

UNSPSC

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

Plug - PP-H 1,5/S/1-M BU

3212691

<https://www.phoenixcontact.com/de/produkte/3212691>



Environmental Product Compliance

China RoHS

Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de