

PP 2,5/ 1-L - Plug



3211271

<https://www.phoenixcontact.com/sg/products/3211271>

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Plug, left element, nom. voltage: 800 V, nominal current: 24 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², color: gray

Your advantages

- Maximum safety, thanks to touch-proof design
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves
- Comprehensive, optional snap-on accessories available
- Safe to use, thanks to powerful, vibration-proof plug-in contact
- Flexible, thanks to plugs you can assemble yourself
- Protection against mismatching, thanks to individual coding options

Commercial data

Item number	3211271
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE2244
Catalog page	Page 301 (C-1-2019)
GTIN	4055626285245
Weight per piece (including packing)	3.449 g
Weight per piece (excluding packing)	3.408 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Terminal plug
Area of application	Machine building
	Plant engineering
Number of positions	1
Pitch	5.2 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	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	1
Nominal cross section	2.5 mm²

1 level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.14 mm² ... 4 mm²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm²
Nominal current	24 A
Maximum load current	24 A (with 4 mm² conductor cross section)
Nominal voltage	800 V
Nominal cross section	2.5 mm²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm² ... 4 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² ... 2.5 mm²

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Dimensions

Width	5.2 mm
Height	16 mm
Depth	41.2 mm
Pitch	5.2 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No
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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

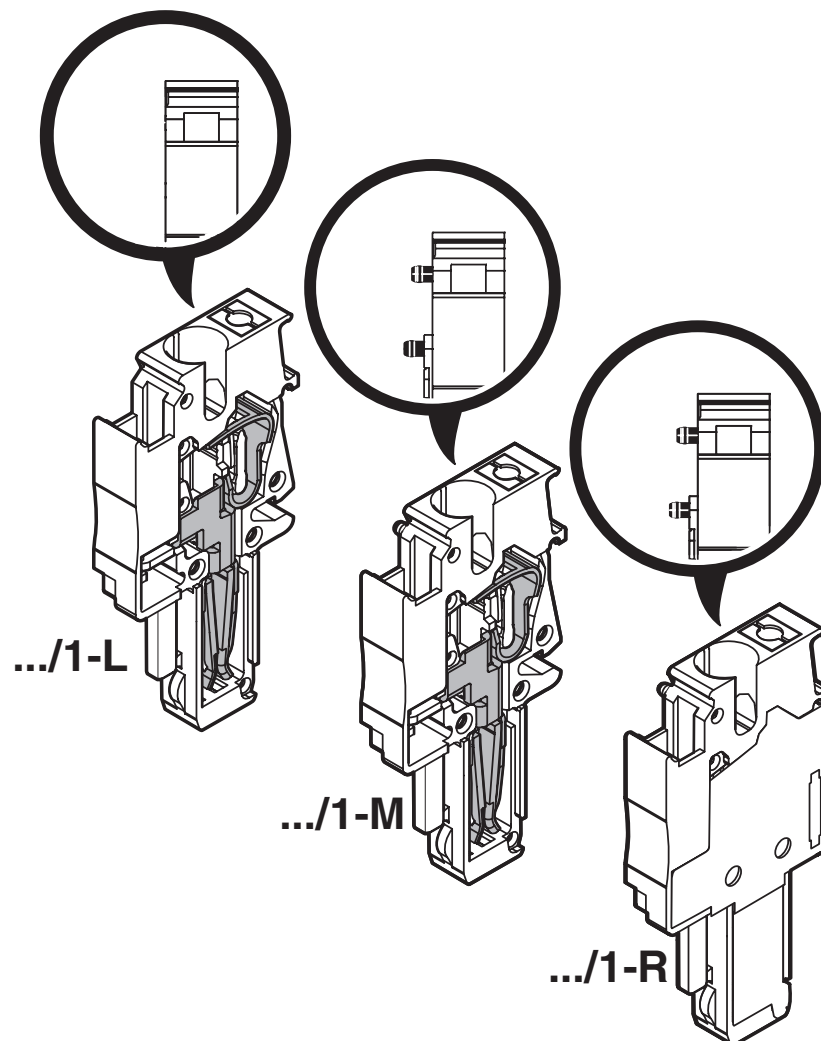
Connection in acc. with standard	IEC 61984
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Mounting

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

Schematic diagram



Circuit diagram



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Approvals

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 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	20 A	26 - 12	-
Use group C				
	600 V	20 A	26 - 12	-

 cULus Recognized Approval ID: E60425				
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 cULus Recognized Approval ID: E60425				
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 EAC Approval ID: EACKZ 08593				
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002021
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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