

# PP 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



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: 24 A, number of connections: 6, number of positions: 6, connection method: Push-in connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: gray

## Your advantages

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

## Commercial data

Item number	3211285
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	*****
Product key	BE2244
Catalog page	Page 300 (C-1-2019)
GTIN	4055626285580
Weight per piece (including packing)	20.768 g
Weight per piece (excluding packing)	20.768 g
Customs tariff number	85366990
Country of origin	PL

# PP 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



## Technical data

### Product properties

Product type	Terminal plug
Area of application	Machine building
	Plant engineering
Number of positions	6
Pitch	5.2 mm
Number of connections	6
Number of rows	1
Potentials	6

### 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

# PP 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



## Dimensions

Width	31.2 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
-----------------	----

## 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
----------------------------------	-----------

# PP 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



## Drawings

### Circuit diagram



# PP 2,5/ 6 - Plug


3211285


<https://www.phoenixcontact.com/sg/products/3211285>




## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3211285>

 <b>CSA</b> Approval ID: 2030668				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	600 V	20 A	26 - 12	-
Use group C				
	600 V	20 A	26 - 12	-

 <b>cULus Recognized</b> Approval ID: E60425				
--	--	--	--	--

 <b>cULus Recognized</b> Approval ID: E60425				
--	--	--	--	--

 <b>EAC</b> Approval ID: EACKZ 08593				
--	--	--	--	--

# PP 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



## 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 2,5/ 6 - Plug

3211285

<https://www.phoenixcontact.com/sg/products/3211285>



## 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](mailto:marketing@phoenixcontact.com.sg)