

PP 2,5/ 1 - Plug



3211280

<https://www.phoenixcontact.com/us/products/3211280>

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Plug, nom. voltage: 800 V, nominal current: 24 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm², 1 level, cross section: 0.14 mm² - 4 mm², 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	3211280
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2244
GTIN	4055626285535
Weight per piece (including packing)	3.63 g
Weight per piece (excluding packing)	3.6 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

Notes on operation	COMBI connectors are connectors without switching power in accordance with IEC 61984 and can be connected or disconnected without load or voltage when used as intended
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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 mm ²

1 level

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

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Nominal cross section	2.5 mm ²
1 level Connection cross sections directly pluggable	
Conductor cross-section rigid	0.34 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²

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

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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Drawings

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
B		600 V	20 A	26 - 12
C		600 V	20 A	26 - 12

		cULus Recognized		
		Approval ID: E60425		
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
B		600 V	20 A	26 - 12
C		600 V	20 A	26 - 12

		EAC		
		Approval ID: KZ7500651131219505		

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Classifications

ECLASS

ECLASS-13.0	27250306
ECLASS-15.0	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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