

PP 2,5/ 1-R BU - Plug

3211278

<https://www.phoenixcontact.com/us/products/3211278>



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Plug, right element, 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: blue

Your advantages

- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves

Commercial data

Item number	3211278
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2244
GTIN	4055626285511
Weight per piece (including packing)	3.86 g
Weight per piece (excluding packing)	3.86 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 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
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

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Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²
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Dimensions

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

Material specifications

Color	blue (RAL 5015)
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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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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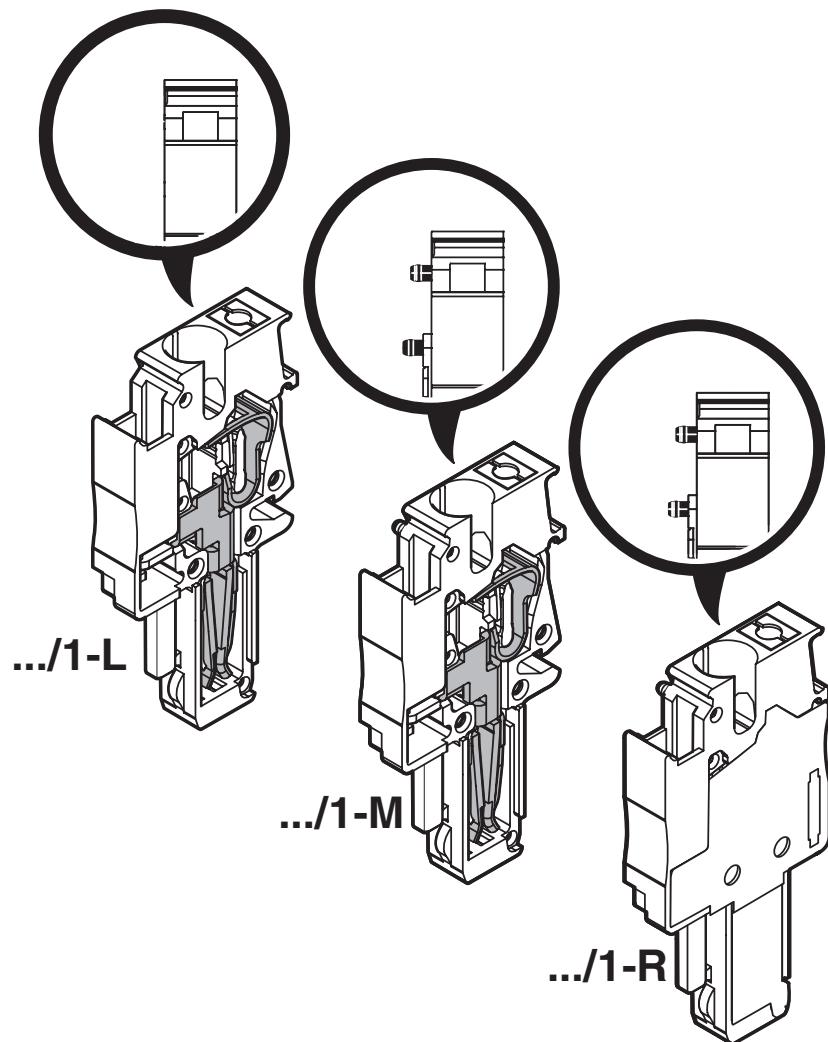
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Drawings

Schematic diagram



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Circuit diagram



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Approvals

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		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B		600 V	20 A	26 - 12	-
C		600 V	20 A	26 - 12	-

		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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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