

# PP 2,5/ 1-M BU - Plug



3211275

<https://www.phoenixcontact.com/us/products/3211275>

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Plug, center 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: blue

## 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
- Flexible, thanks to plugs you can assemble yourself
- Safe to use, thanks to powerful, vibration-proof plug-in contact
- Comprehensive, optional snap-on accessories available
- Protection against mismatching, thanks to individual coding options

## Commercial data

Item number	3211275
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2244
Catalog page	Page 301 (C-1-2019)
GTIN	4055626285283
Weight per piece (including packing)	3.6 g
Weight per piece (excluding packing)	3.6 g
Customs tariff number	85366990
Country of origin	PL

## Technical data

### Product properties

Product type	Terminal plug
Number of positions	1
Pitch	5.2 mm
Area of application	Machine building
	Plant engineering
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 <sup>2</sup>

#### 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 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup>
Nominal current	24 A
Maximum load current	24 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage	800 V
Nominal cross section	2.5 mm <sup>2</sup>

#### 1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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## Dimensions

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

## Material specifications

Color	blue
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 ... 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
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## Mounting

Assembly instructions	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

### Circuit diagram



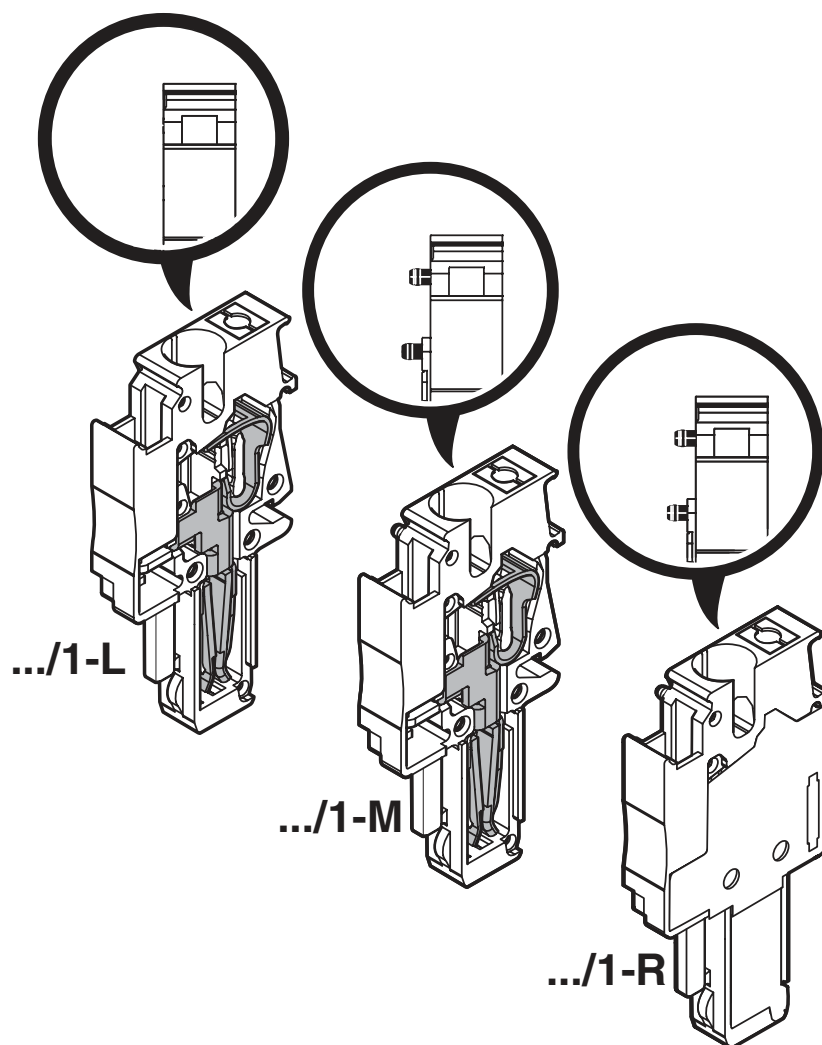
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Schematic diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3211275>

 <b>CSA</b> Approval ID: 13631				
	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	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00511				
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 <b>cULus Recognized</b> Approval ID: E60425				
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 <b>cULus Recognized</b> Approval ID: E60425				
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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002021
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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## Accessories

### MPS-MT - Test plugs

0201744

<https://www.phoenixcontact.com/us/products/0201744>



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, number of positions: 1, color: gray

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### MPS-IH RD - Insulating sleeve

0201676

<https://www.phoenixcontact.com/us/products/0201676>

Insulating sleeve, color: red



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### PRZ - Latching

3040614

<https://www.phoenixcontact.com/us/products/3040614>



Latching, number of positions: 2, length: 64 mm, color: orange

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### PR - Latching

3040559

<https://www.phoenixcontact.com/us/products/3040559>



Latching, length: 29.8 mm, width: 4.4 mm, height: 29.8 mm, number of positions: 1, color: orange

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## PZ/2 - Strain relief

3040627

<https://www.phoenixcontact.com/us/products/3040627>



Strain relief, length: 48.7 mm, width: 9.3 mm, height: 48.7 mm, number of positions: 2, color: black

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## PZ/4 - Strain relief

3040643

<https://www.phoenixcontact.com/us/products/3040643>



Strain relief, length: 48.7 mm, width: 19.6 mm, height: 48.7 mm, number of positions: 4, color: black

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## PR/2 - Latching

3040630

<https://www.phoenixcontact.com/us/products/3040630>



Latching, length: 29.8 mm, width: 10 mm, height: 29.8 mm, number of positions: 2, color: orange

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## PRT/2 - Latching

3040631

<https://www.phoenixcontact.com/us/products/3040631>



Latching, can only be released using a screwdriver, length: 23.2 mm, width: 9 mm, height: 23.2 mm, number of positions: 2, color: orange

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## PP 2,5/ 1-L - Plug

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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: gray

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## PP 2,5/ 1-L BU - Plug

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<https://www.phoenixcontact.com/us/products/3211272>



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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: blue

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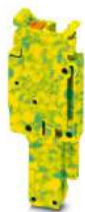
<https://www.phoenixcontact.com/us/products/3211275>



## PP 2,5/ 1-L GNYE - Plug

3211273

<https://www.phoenixcontact.com/us/products/3211273>



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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: green-yellow

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## PP 2,5/ 1-M - Plug

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<https://www.phoenixcontact.com/us/products/3211274>



Plug, center 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: gray

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### PP 2,5/ 1-M BU - Plug

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Plug, center 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: blue

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### PP 2,5/ 1-M GNYE - Plug

3211276

<https://www.phoenixcontact.com/us/products/3211276>



Plug, center 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: green-yellow

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## PP 2,5/ 1-R - Plug

3211277

<https://www.phoenixcontact.com/us/products/3211277>



Plug, right 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: gray

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## PP 2,5/ 1-R BU - Plug

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, 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: blue



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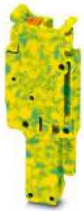
<https://www.phoenixcontact.com/us/products/3211275>



## PP 2,5/ 1-R GNYE - Plug

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<https://www.phoenixcontact.com/us/products/3211279>



Plug, right 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, color: green-yellow

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## ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

<https://www.phoenixcontact.com/us/products/0808642>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

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## ZBF 5 CUS - Zack Marker strip, flat

0825025

<https://www.phoenixcontact.com/us/products/0825025>



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## ZBF 5,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808671

<https://www.phoenixcontact.com/us/products/0808671>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## ZBF 5,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808697

<https://www.phoenixcontact.com/us/products/0808697>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## ZBF 5,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810821

<https://www.phoenixcontact.com/us/products/0810821>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## ZBF 5,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810863

<https://www.phoenixcontact.com/us/products/0810863>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## UC-TMF 5 - Marker for terminal blocks

0818153

<https://www.phoenixcontact.com/us/products/0818153>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

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## UC-TMF 5 CUS - Marker for terminal blocks

0824638

<https://www.phoenixcontact.com/us/products/0824638>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

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## UCT-TMF 5 - Marker for terminal blocks

0828744

<https://www.phoenixcontact.com/us/products/0828744>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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## UCT-TMF 5 CUS - Marker for terminal blocks

0829658

<https://www.phoenixcontact.com/us/products/0829658>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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