

# P-CO XL - Component connector



3036797

<https://www.phoenixcontact.com/us/products/3036797>

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Component connector, for installing components that can be individually selected up to a diameter of 10 mm and power dissipation of up to 1 W, nom. voltage: 400 V, nominal current: 10 A, connection method: Plug-in connection, depth: 37.5 mm, width: 12.3 mm, height: 41.2 mm, number of positions: 1, color: gray, mounting type: Pluggable (slot)

## Your advantages

- Suitable for discreet components with high power dissipation
- Solderless spring-cage connection
- Suitable for use in all terminal blocks with a separation zone and a central marking groove (...-TG)
- Tested for railway applications

## Commercial data

Item number	3036797
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE29
Product key	BE2Z3X
GTIN	4055626042930
Weight per piece (including packing)	8.2 g
Weight per piece (excluding packing)	7.7 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Notes

Notes on operation	Components with a wire diameter from 0.3 mm up to 1.2 mm can be used
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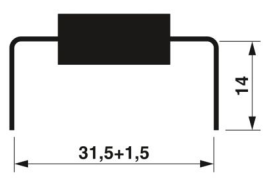
### Product properties

Product type	Component plug terminal block
Number of positions	1
Potentials	1

### Connection data

Connection method	Plug-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.08 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross-section flexible	0.08 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal cross section	1 mm <sup>2</sup>
Nominal current	10 A (the current is determined by the component used)
Maximum load current	10 A
Nominal voltage	400 V (the voltage is determined by the component used)

### Dimensions

Dimensional drawing	
Width	12.3 mm
Height	41.2 mm
Depth	37.5 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed

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Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	Pluggable (slot)
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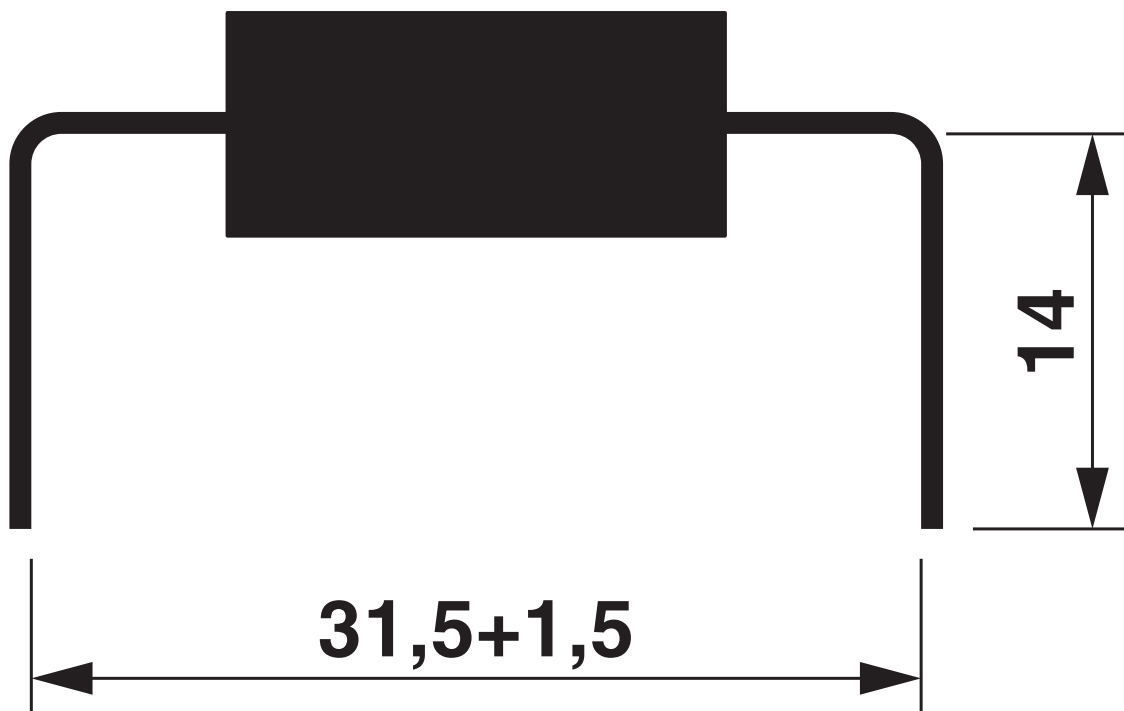
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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3036797>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B				
	300 V	7 A	28 - 18	-
C				
	300 V	7 A	28 - 18	-

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B				
	300 V	7 A	28 - 18	-
C				
	300 V	7 A	28 - 18	-

<b>DNV</b> Approval ID: TAE000010T				
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## Classifications

### ECLASS

ECLASS-13.0	27250305
ECLASS-15.0	27250305

### ETIM

ETIM 10.0	EC002018
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### UNSPSC

UNSPSC 21.0	39121600
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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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### EF3.1 Climate Change

CO2e kg	0.181 kg CO2e
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)