

# PRC 20/3-C1-FC-FS2,5 6-14 - Coupler connector



1313316

<https://www.phoenixcontact.com/us/products/1313316>

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Installation connector, Range of articles: PRC 20, Coupler connector, color: black, number of positions: 3, min. conductor cross section: 0.5 mm<sup>2</sup>, max. conductor cross section: 2.5 mm<sup>2</sup>, rated voltage: 400 V, rated current: 25 A, Connection method: Screw connection, Type of contact: Socket, min. cable diameter: 8 mm, max. cable diameter: 14 mm. Setting option for release: 1. with a tool or 2. by hand

## Your advantages

- More space on the device front with current transmission up to 20 A in a minimum amount of space
- Duo-Unlock technology for greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact resistance
- Simple handling with proven crimp or screw connection technology
- Mechanical and color coding for quick and error-free startup

## Commercial Data

Item number	1313316
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	AB03
Product Key	ABLHBA
GTIN	4063151569402
Weight per Piece (including packing)	56 g
Weight per Piece (excluding packing)	53 g
Customs tariff number	85366990
Country of origin	PL

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## Technical Data

### Notes

General	Setting option for release: 1. with a tool or 2. by hand
General	For assembly notes, please refer to the packing slip

### Product properties

Product type	Installation connector
Product family	PRC 20
Number of positions	3
Connection profile	2+PE
Coding	3-C1

### Insulation characteristics

Protection class	II
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### Electrical properties

Nominal voltage ATD	400 V (III/2) in accordance with IEC 61984
Rated current	25 A (With 2.5 mm <sup>2</sup> conductor cross section in accordance with IEC 61984)

### Dimensions

Width	28.5 mm
Height	28.5 mm
Length	80.4 mm

### Material specifications

Color	black
Material (GRP)	PPE (Housing)
	PPE (Contact carriers)
	CuZn (Contact material, Pb < 0.1)
	PC (Cable gland)
	EPDM (Cable seal)
	EPDM (Housing seal)

### Cable/line

External cable diameter	8 mm ... 14 mm
Single wire, cross section	0.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Stripping length of the individual wire	10 mm (Lay PE conductor 8 mm leading)
Halogen-free	yes

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP66
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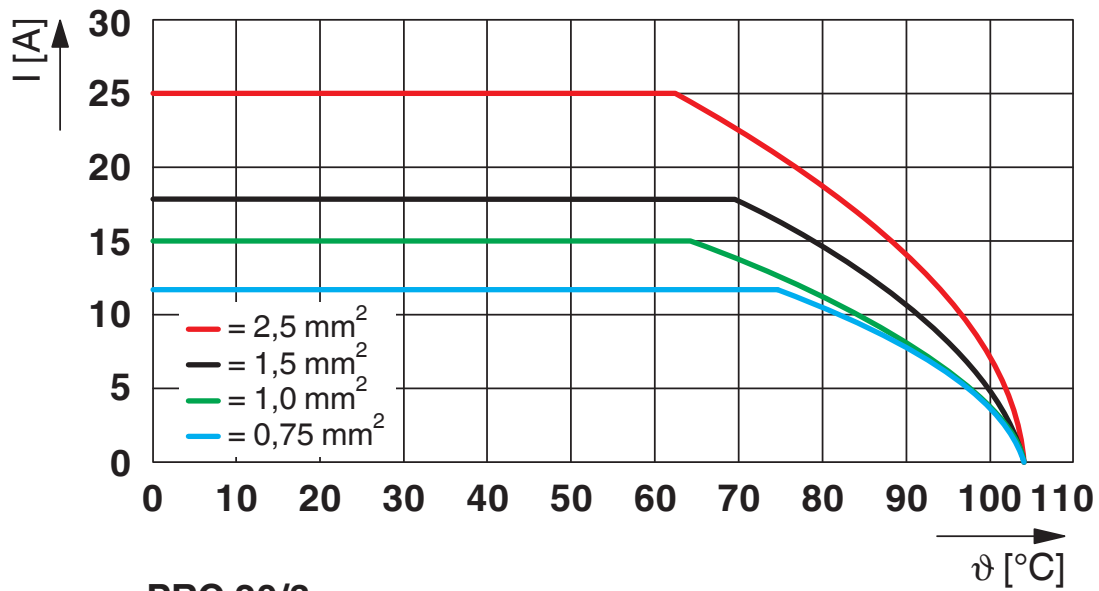
	IP68 (2 m / 2 h)
Ambient temperature (operation)	-40 °C ... 85 °C

## Mounting

Connection method	Screw connection
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Drawings

Diagram



**PRC 20/3...**  
**IEC 60512-5-2 / 2 conductors**

Derating

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 8.0	EC002635
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