

# PRC 20/3-C1-FC-MC2,5 SET50 - Connector



1468417

<https://www.phoenixcontact.com/gb/products/1468417>

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Connector, Range of articles: PRC 20, 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: 20 A, Connection method: Crimp connection, 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	1468417
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	ABLHBB
Product key	ABLHBB
GTIN	4063151866426
Weight per piece (including packing)	32.456 g
Weight per piece (excluding packing)	32.249 g
Customs tariff number	85389099
Country of origin	PL

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## Technical data

### Notes

Order information:	Setting option for release: 1. with a tool or 2. by hand
Note on application	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

Rated voltage	400 V (III/2.00) in accordance with IEC 61984
	400 V AC (III/2.00) in accordance with IEC 61535
	600 V AC / DC (III/2.00) in accordance with UL 2238 / UL 2237
	500 V DC (III/2.00) in accordance with IEC 61535
Rated current	20 A (With 2.5 mm <sup>2</sup> conductor cross-section in accordance with IEC 61535)

### Dimensions

Width	28.5 mm
Height	28.5 mm
Length	80.4 mm

### Material specifications

Color (Housing)	black (RAL 9005)
Material Seal	EPDM (Cable seal)
Material Housing	PPE
Material Contact carrier	PPE
Material Cable gland	PC
Material Contact	CuZn (Contact material, Pb < 0.1)

### Cable/line

Single wire, cross section	0.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 2 h)

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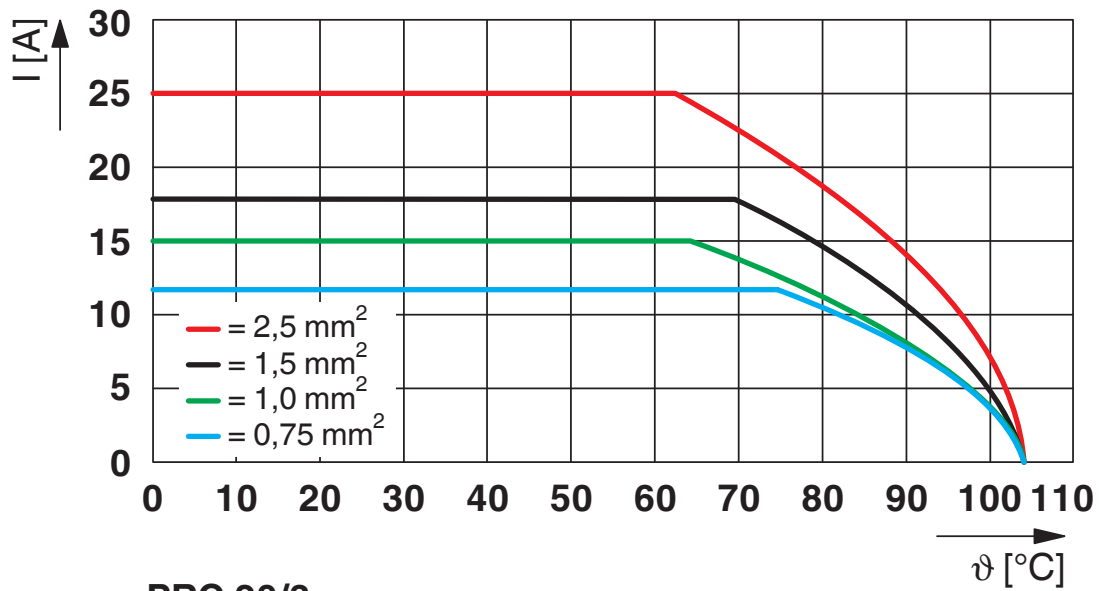
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IP69

Drawings

Diagram



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

Derating

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1468417>

 <b>VDE Zeichengenehmigung</b> Approval ID: 334664-TL3-1				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	500 V	20 A	-	0.5 - 2.5

 <b>UL Listed</b> Approval ID: E221474-20240312				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	600 V	20 A	20 - 14	-

 <b>cUL Listed</b> Approval ID: E221474-20240312				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	600 V	20 A	20 - 14	-

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## Classifications

### ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

### ETIM

ETIM 10.0	EC002560
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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.)	Triphenyl phosphate(CAS: 115-86-6)
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