

# PRC 20/5-C1-FC-MS2,5 6-14 - Connector



1308660

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Connector, Range of articles: PRC 20, color: black/red, number of positions: 5, 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: Screw connection, min. cable diameter: 8 mm, max. cable diameter: 14 mm, Setting option for release: 1. with a tool or 2. by hand, scope: AC

## 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	1308660
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHBA
GTIN	4063151558246
Weight per piece (including packing)	63.54 g
Weight per piece (excluding packing)	52.239 g
Customs tariff number	85366990
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
Area of application	AC
Number of positions	5
Connection profile	4+PE
Coding	5-C1

### Insulation characteristics

Protection class	II (plastic housing)
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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 61984)
	20 A (With 2.5 mm <sup>2</sup> conductor cross-section in accordance with IEC 61535)
	20 A (With 2.5 mm <sup>2</sup> /AWG 14, in accordance with UL 2238)
	20 A (With 2.5 mm <sup>2</sup> /AWG 14, in accordance with UL 2237)

### Dimensions

Width	28.5 mm
Height	28.5 mm
Length	82.1 mm

### Material specifications

Color (Housing)	black (RAL 9005)
Color (Locking)	red (RAL 3001)
Material Housing	PPE
Material Contact carrier	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Material Cable gland	PC
Material Seal	EPDM (Cable seal)
	EPDM (Housing seal)
Flammability rating according to UL 94	V0

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## 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 (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	500 (Test specification: IEC 60512-13-2)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection (when plugged in)	IP66
	IP66
	IP66
Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Ambient temperature (assembly)	-5 °C ... 85 °C
Altitude	3000 m

## Standards and regulations

Standards/specifications	IEC 61984:2008
	IEC 61535:2019
	UL 2238
	UL 2237

Drawings

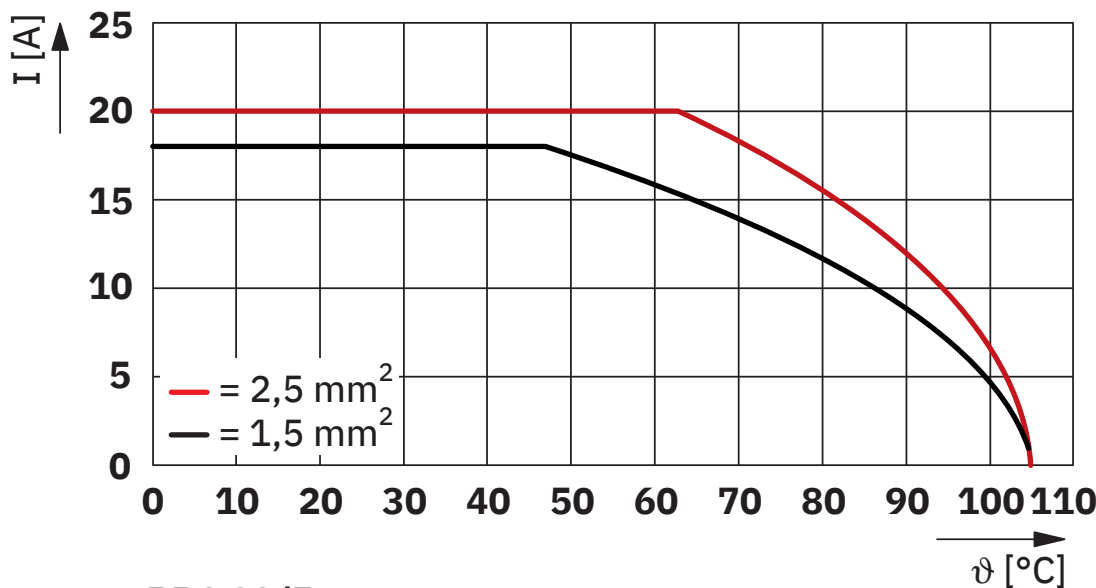
Diagram



**PRC 20/5...**  
**IEC 60512-5-2 / 4 conductors**

Derating

Diagram



**PRC 20/5...**  
**IEC 61535 / 3 conductors**

Derating

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1308660>

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

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

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

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## Classifications

### ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

### ETIM

ETIM 10.0	EC002560
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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.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	e9b78d44-0f04-4c87-967b-d0f0b32cfe86

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