# PRC 20/4-C1-FC-MS2,5 6-14 - Connector

1308639

https://www.phoenixcontact.com/us/products/1308639

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Connector, Range of articles: PRC 20, color: black, number of positions: 4, min. conductor cross-section: 0.5 $mm^2$, max. conductor cross-section: 2.5 $mm^2$, rated voltage: 400 V, rated current: 20 A, Connection method: Screw connection, 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 | 1308639 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB03 |
| Product key | ABLHBA |
| GTIN | 4063151559878 |
| Weight per piece (including packing) | 58 g |
| Weight per piece (excluding packing) | 48.047 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

# 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 | 4 |
| Connection profile | 3+PE |
| Coding | 4-C1 |

### Insulation characteristics

| | |
|---|---|
| Protection class | II |

## Electrical properties

| | |
|---|---|
| Rated voltage | 400 V (III/2) in accordance with IEC 61984 |
| | 400 V AC (III/2) in accordance with IEC 61535 |
| | 600 V AC / DC (III/2) in accordance with UL 2238 / UL 2237 |
| | 500 V DC (III/2) in accordance with IEC 61535 |
| Rated current | 20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61535) |

## Connection data

### Connection technology

| | |
|---|---|
| Connection method | Screw connection |

## Dimensions

| | |
|---|---|
| Width | 28.5 mm |
| Height | 28.5 mm |
| Length | 82.1 mm |

## Material specifications

| | |
|---|---|
| Color (Housing) | black (RAL 9005) |
| Material Housing | PPE (Housing) |
| Material Contact | CuZn (Contact material, Pb < 0.1) |
| Flammability rating according to UL 94 | V0 |

## Cable/line

| | |
|---|---|
| Single wire, cross section | 0.5 mm² 2.5 mm² |
| Halogen-free | yes |

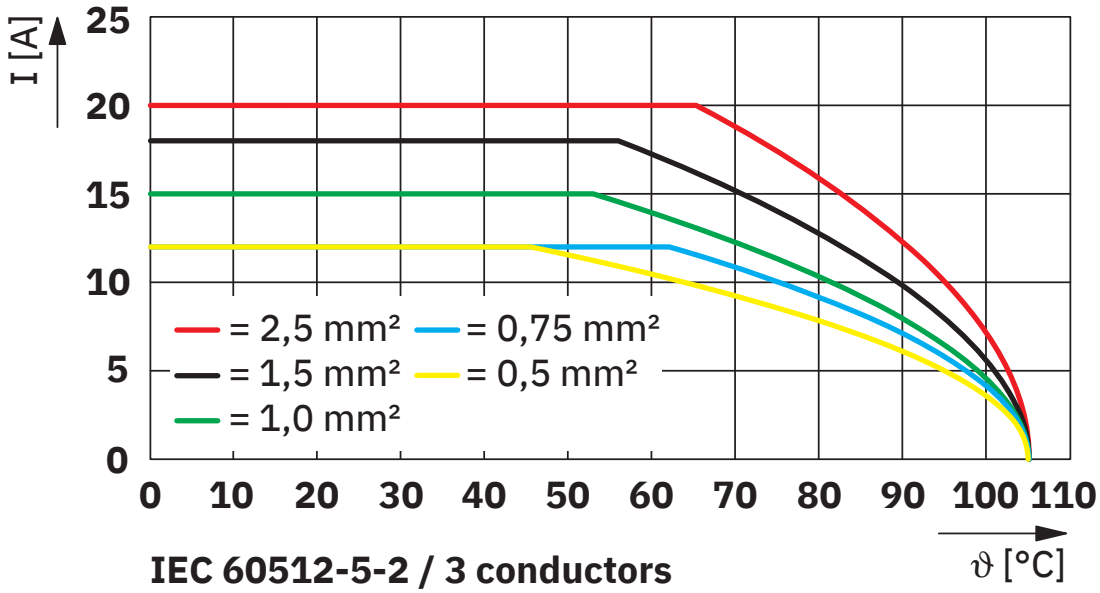
## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| 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 |

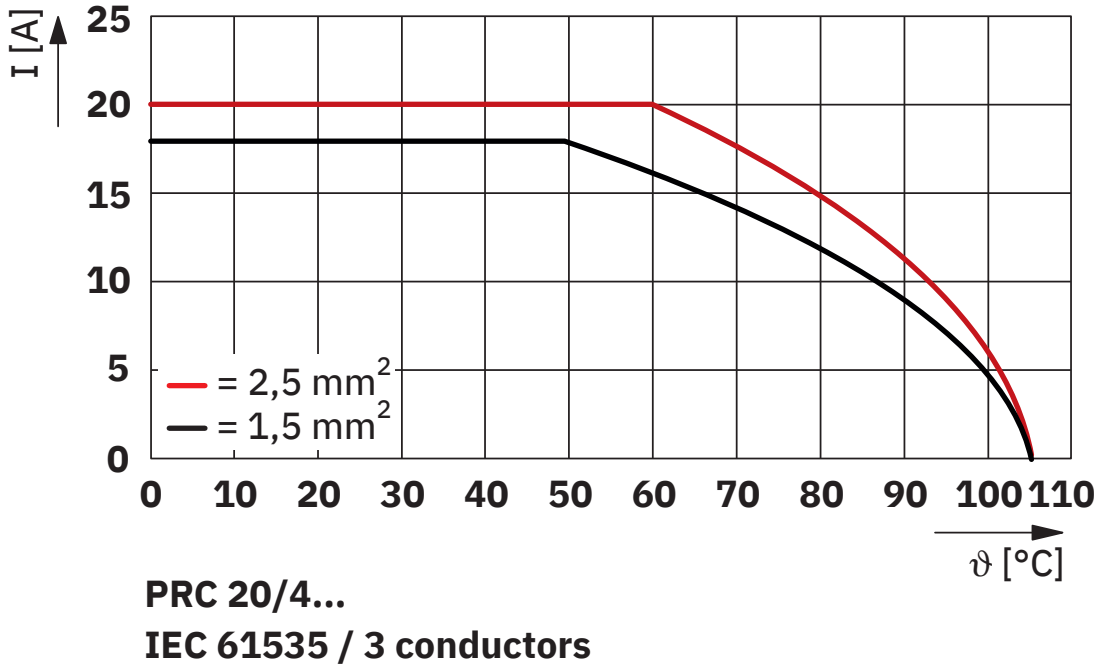
## Drawings

Diagram




Derating

Diagram




Derating

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1308639

**UL Listed**
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 | 20 - 14 |

**cUL Listed**
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 | - |

**VDE Zeichengenehmigung**
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 |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440605 |
| ECLASS-15.0 | 27440605 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002560 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

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 | 0b82f9c1-8be9-414b-97c1-212c17fabab4 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.974 kg CO2e |

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