

PRC 20/3-C1-FT25-MS2,5 - Device connector front mounting



1313299

<https://www.phoenixcontact.com/us/products/1313299>

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Device connector front mounting, Range of articles: PRC 20, color: black, number of positions: 3, min. conductor cross-section: 0.5 mm², max. conductor cross-section: 2.5 mm², rated voltage: 400 V, rated current: 25 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 | 1313299 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB03 |
| Product key | ABLHAD |
| GTIN | 4063151568542 |
| Weight per piece (including packing) | 40.3 g |
| Weight per piece (excluding packing) | 28.431 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 |

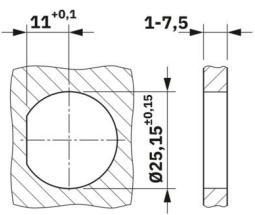
Product properties

| | |
|---------------------|--------------------|
| Product type | Panel feed-through |
| Product family | PRC 20 |
| Area of application | AC |
| Number of positions | 3 |
| Connection profile | 2+PE |
| Coding | 3-C1 |

Insulation characteristics

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34 mm |
| Height | 38.4 mm |
| Length | 53.7 mm |

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 | 25 A (With 2.5 mm ² conductor cross-section in accordance with IEC 61984) |

Material specifications

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

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| | |
|--|--------------------|
| | EPDM (Flat gasket) |
| Flammability rating according to UL 94 | V0 |

Cable/line

| | |
|---|---|
| Single wire, cross section | 0.5 mm ² 2.5 mm ² |
| Stripping length of the individual wire | 10 mm |
| 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 ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 85 °C |

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Drawings

Dimensional drawing

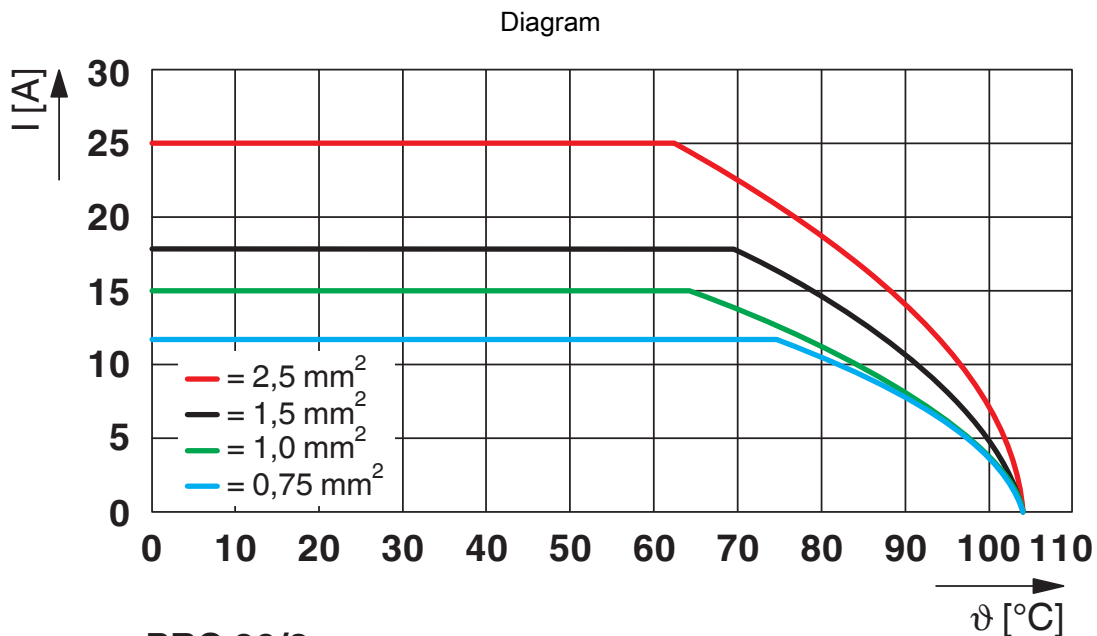


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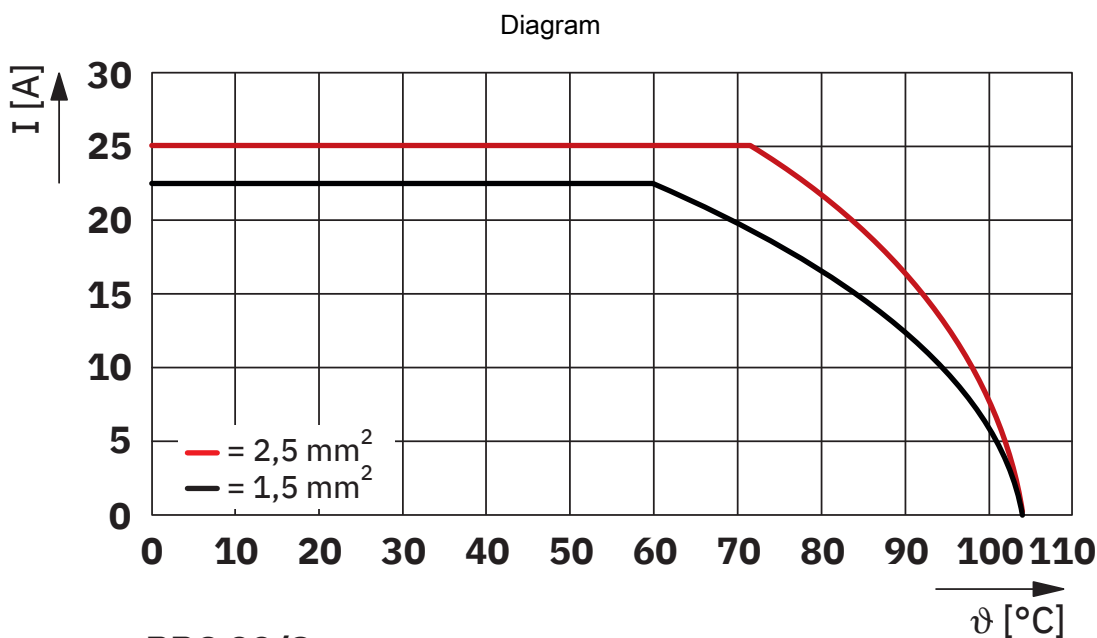
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PRC 20/3...
IEC 60512-5-2 / 2 conductors

Derating



PRC 20/3...
IEC 61535 / 2 conductors

Derating

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1313299>

|  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 |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440602 |
| ECLASS-15.0 | 27440602 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002566 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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) |
|-------------------------------------|------------------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.631 kg CO2e |
|---------|---------------|

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