# PRC 3-FT25-MC4 150 FE - Device connector rear mounting

1410531

https://www.phoenixcontact.com/us/products/1410531

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CRIMP



PRC device connector, black, 3-pos., 690 V (IEC 61984), 32 A, crimp connection, 4.0 mm$^2$ with 150 mm cable length, ferrule with insulating collar

## Commercial data

| | |
|---|---|
| Item number | 1410531 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Product key | ABOBEB |
| GTIN | 4046356898850 |
| Weight per piece (including packing) | 39.67 g |
| Weight per piece (excluding packing) | 39.67 g |
| Country of origin | DE |

## Technical data

### Mounting

| | |
|---|---|
| Tightening torque | 2.5 Nm ±0.1 Nm (Tightening torque nut) |

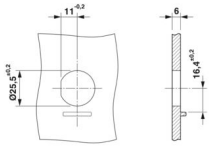
### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Product family | PRC 35 |
| Number of positions | 3 |

Insulation characteristics

| | |
|---|---|
| Protection class | II (double or reinforced insulation) |
| Degree of pollution | 2 |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Wrench size, union nut | 32 mm |

### Material specifications

| | |
|---|---|
| Color (Housing) | black (RAL 9005) |
| Color of the housing part | black |
| Flammability rating according to UL 94 | V0 |
| Seal material | EPDM |
| Housing material | PPE |
| Contact material | Cu |
| Contact carrier material | mPPE |
| O-ring material | Silicon |

### Electrical properties

| | |
|---|---|
| Rated voltage (III/2) | 690 V |
| Rated voltage | 500 V DC (III/2) in accordance with IEC 61535 |
| | 600 V AC / DC in accordance with UL 2237 |
| Rated current | 32 A (with 4 mm² conductor cross-section) |

### Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | 100 |
| Insertion force | 30 N ±10 N |

### Connector

| | |
|---|---|
| Pull-out-force | 150 N ±50 N |

## Cable/line

| | |
|---|---|
| Cable length | 150 mm |
| Single wire, material | PVC |
| Wire diameter incl. insulation | 4.15 mm ±0.15 mm |
| Single wire, color | brown, blue, green/yellow |
| Cable cross section | 4 mm² |

## Environmental and real-life conditions

### Ambient conditions

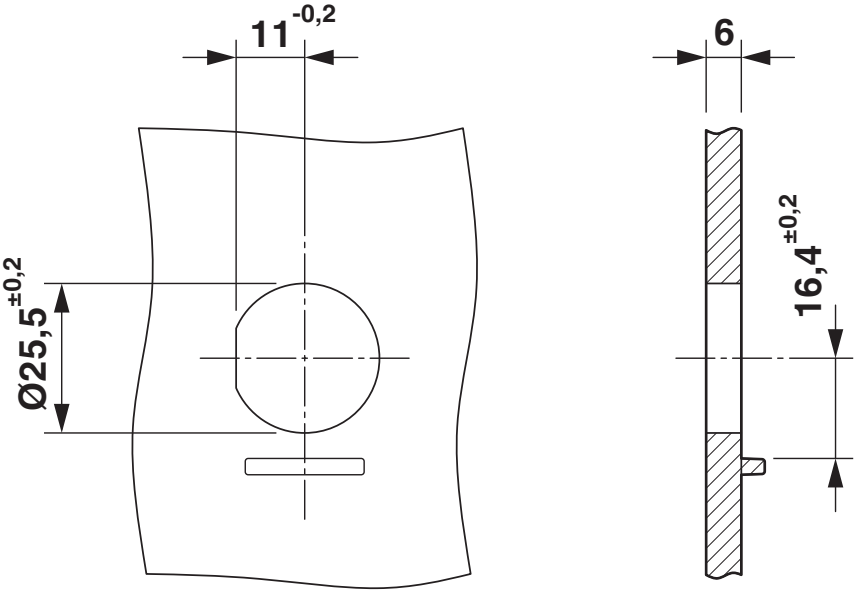
| | |
|---|---|
| Degree of protection (when plugged in) | IP66/IP68 (2 m / 24 h) IP69K |
| Degree of protection (not plugged in) | IP65 (Lengthwise waterproofing) |
| Degree of protection | IP66/IP68 (2 m / 24 h) IP69K |
| Ambient temperature (operation) | -40 °C ... 105 °C (Depending on the current carrying capacity/derating curve) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

## Standards and regulations

| | |
|---|---|
| Standards/specifications | IEC 61984:2008 |
| | EN 61984:2008 |
| | DIN EN IEC 61535:2020 |
| | IEC 61535:2019 |
| | 2 PfG 1915/03.2015 |
| | UL 2237 Ed.1:2021-01-08 |
| | CSA C22.2 No. 182.3-16 Ed.2:2019-01 |

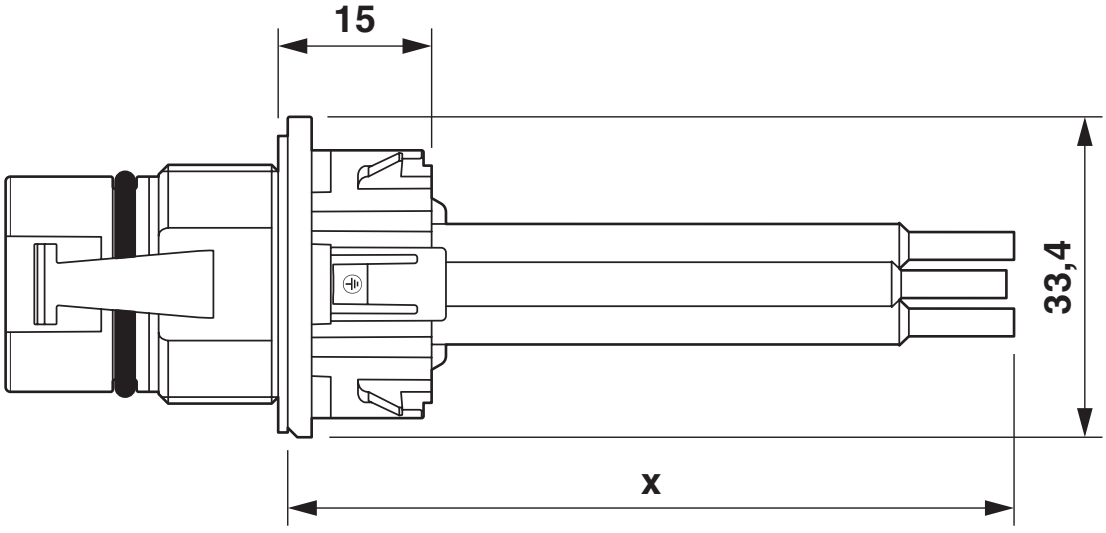
## Drawings

Dimensional drawing



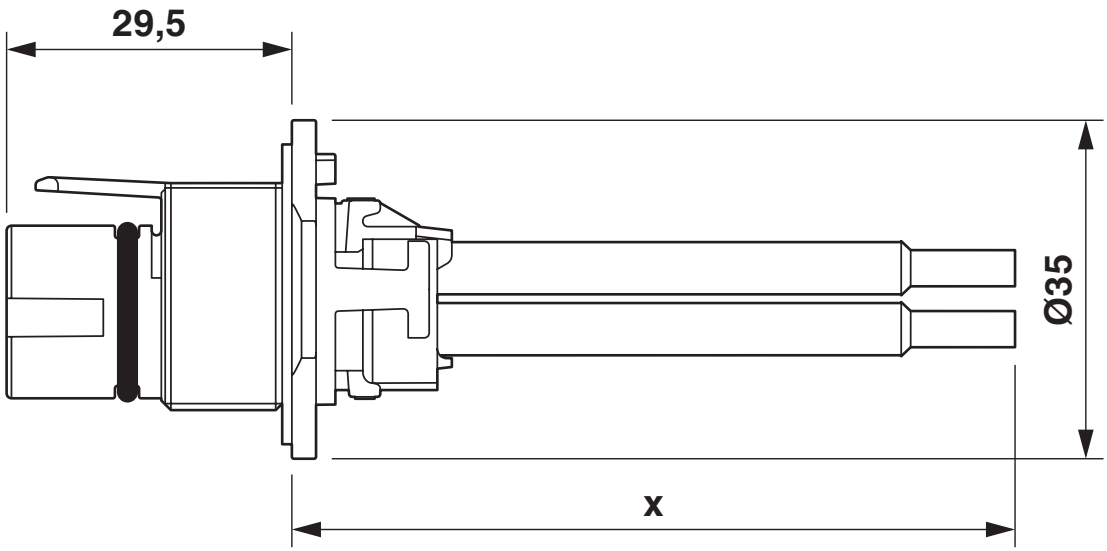

Housing cutout

Dimensional drawing



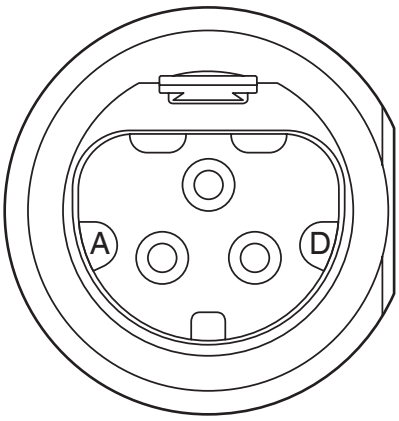

Dimensional drawing

Dimensional drawing




Dimensional drawing

Schematic diagram




Connector pin assignment

## Classifications

### ECLASS

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

## Environmental product compliance

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |


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