


Photovoltaic connector - PV-FT-CM-C-6-130-RD - 1805180

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RoHS

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 pc |
| GTIN |  4 046356 671453 |
| GTIN | 4046356671453 |

Technical data

Dimensions

| | |
|-------------------------|-----------------|
| Fixed cable length | 130 mm |
| External cable diameter | 5.4 mm ±0.15 mm |

Ambient conditions

| | |
|--|--------------------------|
| Degree of protection (when plugged in) | IP66 / IP68 (2 m / 24 h) |
| Degree of protection (not plugged in) | IP65 |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -25 °C ... 50 °C |

General

| | |
|---|-------------------|
| Design | Pin |
| Tightening torque nut | 1.8 Nm ±0.1 Nm |
| Insertion force | 45 N ±10 N |
| Disconnect force | 250 N ±50 N |
| Pull-out force of cable >= disconnect force | > 80 N |
| Rated voltage | 1500 V |
| Rated current (6.0 mm ²) | 40 A |
| Nominal cross section | 6 mm ² |
| Protection class | II |

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Technical data

Material

| | |
|--|-------|
| Color | black |
| Insulating material | mPPE |
| Contact material | Cu |
| Contact surface material | Ag |
| Flammability rating according to UL 94 | V0 |

Connection data

| | |
|---|-------------------|
| Connection method | Crimp |
| Connection capacity | 6 mm ² |
| Contact resistance with connected conductor | ≤ 0.45 mΩ |
| Cable type | S03 |

Conductor

| | |
|------------------------|------|
| Outer sheath, material | PE-X |
| External sheath, color | red |

Standards and Regulations

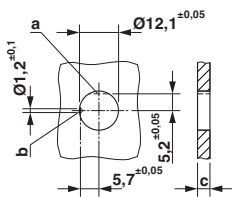
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Dimensional drawing

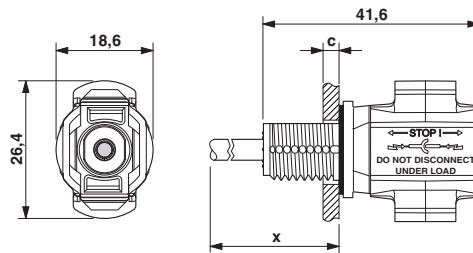


a: anti-rotation protection

b: coding

c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm

Dimensional drawing



Dimension x = cable length

c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm

Approvals

Approvals

Approvals


VDE Zeichengenehmigung / EAC / TÜV Rheinland


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Approvals

Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40031807 |
| Nominal voltage UN | 1500 V | | |
| Nominal current IN | 40 A | | |
| mm ² /AWG/kcmil | 6.0 | | |

| | | |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

| | | |
|--------------------|---|------------|
| TÜV Rheinland | http://www.certipedia.com | R 60126961 |
| Nominal voltage UN | 1500 V | |

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