

INDUSTRIAL COMPONENT DATA

PV-FT-CM-C-4-1800-RD 1012982 PHOENIX CONTACT

Photovoltaic connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PV-FT-CM-C-4-1800-RD



Manufacturer	PHOENIX CONTACT
MPN / Reference	PV-FT-CM-C-4-1800-RD
Catalog number	1012982
Category	Sensor-actuator connector chassis
Minimum order	10 Pcs
Document ID	EO-C782690DA5
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Product Overview

Photovoltaic connector

Photovoltaic plug-in connector, Photovoltaic plug-in connector, housing material: PPE, color: black, min. conductor cross-section: 4 mm², Connection type: Crimping, Contact type: Pin, cable length: 1800000

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path PHOENIX CONTACT > Field Device Connectors (FDC)

Additional Product Information

Key Commercial Data

Orderkey 1012982

Packing unit 10 pc

Minimum order quantity 10 pc

Note Made to Order (non-returnable)

GTIN 4055626491523

Weight per Piece (excluding packing) 90.000 g

Custom tariff number 85359000

Country of origin DE (Germany)

Dimensions

Fixed cable length 1800 m

External cable diameter 4.6 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 $\pm$ 0.1 Nm

Insertion force 45 N $\pm$ 10 N

Disconnect force 250 N $\pm$ 50 N

Pull-out force of cable $\geq$ disconnect force > 80 N

Rated voltage 1500 V

Rated current (2.5 mm²)

Rated current (4.0 mm²) 35 A

Rated current (6.0 mm²)

Nominal cross section 4 mm²

Protection class II

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 4 mm²

Contact resistance with connected conductor 0.45 m Ω

Cable type S02

Conductor

Outer sheath, material PE-X

External sheath, color red

Smallest bending radius, fixed installation 23 mm

Smallest bending radius, movable installation 46 mm

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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PV-FT-CM-C-4-1800-RD with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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