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-A727033EB4
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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 ±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 (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?
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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