

INDUSTRIAL COMPONENT DATA

PV-FT-CF-C-2,5-120-BU 1705394 PHOENIX CONTACT

Photovoltaic connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PV-FT-CF-C-2,5-120-BU



Manufacturer	PHOENIX CONTACT
MPN / Reference	PV-FT-CF-C-2,5-120-BU
Catalog number	1705394
Category	Sensor-actuator connector chassis
Minimum order	50 Pcs
Document ID	EO-7B9B7BFAEC
Generated	2026-08-03

Product Overview

Photovoltaic connector

Conect. plug. to be apar. front wall, Article family: Sunclix, housing material: PPE, color: black, number of poles: 1, min. conductor cross-section: 2.5 mm², rated voltage: 1000 V DC, assigned current: 27 A, Connection type: Crimp, Contact connection type: Female, cable length: 120

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 1705394

Packing unit 50 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

GTIN 4046356768924

Weight per Piece (excluding packing) 9.630 g

Custom tariff number 85359000

Country of origin DE (Germany)

Dimensions

Fixed cable length 120 mm

External cable diameter 4.25 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 Socket**

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) 27 A

Rated current (4.0 mm²)

Rated current (6.0 mm²)

Nominal cross section 2.5 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 2.5 mm²

Contact resistance with connected conductor 0.45 m Ω

Cable type S01

Conductor

Outer sheath, material PE-X

External sheath, color blue

Standards and Regulations

Halogen-free

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

Classifications

eCl@ss 4.0272607xxeCl@ss 4.127260701eCl@ss 5.027260701eCl...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PV-FT-CF-C-2,5-120-BU 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.