

## 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       | 2026-08-05                        |

### 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 mm<sup>2</sup>, 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 mm<sup>2</sup>) 27 A

Rated current (4.0 mm<sup>2</sup>)

Rated current (6.0 mm<sup>2</sup>)

Nominal cross section 2.5 mm<sup>2</sup>

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 mm<sup>2</sup>

Contact resistance with connected conductor 0.45 m $\Omega$

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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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