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-27E1132579
Generated	2026-11-19

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 ±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) 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?
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.