

Connector - PV-CF-P 2,5(+)- 1795323

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Photovoltaic connector, Nominal current: 15 A, Nom. voltage: 1000 V, Connection type: Pierce connection, Color: black

RoHS

Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 651196
GTIN	4046356651196
Weight per Piece (excluding packing)	4.320 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External cable diameter	5.05 mm ... 5.35 mm
-------------------------	---------------------

Ambient conditions

Degree of protection (when plugged in)	IP67
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

General

Design	Socket
Tightening torque nut	0.22 Nm ±0.03 Nm
Insertion force	40 N ±5 N
Disconnect force	170 N ±5 N
Pull-out force of cable >= disconnect force	> 190 N
Rated voltage	1000 V
Rated surge voltage	10 kV

Connector - PV-CF-P 2,5(+)- 1795323

Technical data

General

Rated current (2.5 mm ²)	15 A
Nominal cross section	2.5 mm ²
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	Pierce connection
Connection capacity	2.5 mm ²
Contact resistance with connected conductor	0.3 mΩ
Stripping length	10 mm
Cable type	PV1-F cables

Standards and Regulations

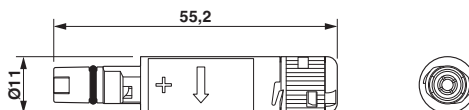
Flammability rating according to UL 94	V0
--	----

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27143423

Connector - PV-CF-P 2,5(+)- 1795323

Classifications

eCl@ss

eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001239
ETIM 5.0	EC002635
ETIM 6.0	EC002635

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121413

Approvals


Approvals


Approvals

VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40037050
mm ² /AWG/kcmil	2.5		
Nominal current I _N	15 A		
Nominal voltage U _N	1000 V		

EAC		B.01742
-----	---	---------

Connector - PV-CF-P 2,5(+)- 1795323

Accessories

Accessories

Stripping tool

Stripping tool - WIREFOX-D SR 6-1 - 1212511



Stripping tool, for standard 2.5, 4, and 6 mm² solar cables, with 15 mm length stop, for SUNCLIX field connectors