Connector - PV-CF-S 6-16 (+) - 1790784

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Photovoltaic connector, Connector, Housing material: PPE, color: black, number of positions: 0, Min. wire cross section: 6 mm², Max. conductor cross section: 16 mm², Rated current: 40 A, Connection method: Spring-cage, Type of contact: Socket. can only be released using a tool

RoHS

Key Commercial Data

Packing unit	25 pc
GTIN	4 046356 607421
GTIN	4046356607421

Technical data

Dimensions

External cable diameter	5.5 mm ... 10 mm

Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

General

Design	Socket
Tightening torque nut	3 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 500 N
Rated voltage	1500 V
Rated current (6.0 mm²)	40 A
Rated current (10 mm²)	50 A
Rated current (16 mm²)	65 A
Nominal cross section	16 mm²
Protection class	II

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Technical data

Material

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

Connection data

Connection method	Spring-cage
Connection capacity	6 mm² ... 16 mm²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	18 mm
Cable type	PV1-F cables

Standards and Regulations

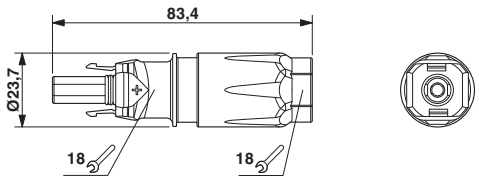
Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Approvals

Approvals

Approvals

TÜV Rheinland / EAC

Ex Approvals

Approval details

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Approvals

TÜV Rheinland	http://www.certipedia.com	R 60126961
Nominal voltage UN	1500 V	

EAC	EAC	B.01742

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