


Connector - PV-CM-S 6-16 (-) - 1790797

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Photovoltaic connector, Range of articles: PV-CM-S, Connector, housing material: PPE, color: black, number of positions: 1, min. conductor cross section: 6 mm², max. conductor cross section: 16 mm², rated current: 40 A, Connection method: Spring-cage, Type of contact: Pin. can only be released using a tool

Key Commercial Data

Packing unit	25 pc
GTIN	 4 046356 607438
GTIN	4046356607438

Technical data

Dimensions

External cable diameter	5.5 mm ... 10 mm
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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	Pin
Tightening torque nut	3 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N (when locked)
Pull-out force of cable >= disconnect force	> 500 N
Insertion/withdrawal cycles	100
Rated voltage	1500 V
Rated current (6.0 mm ²)	40 A
Rated current (10 mm ²)	50 A
Rated current (16 mm ²)	65 A
Nominal cross section	16 mm ²

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Technical data

General

Protection class	II
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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 mm ² ... 16 mm ²
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

Approvals


Approvals

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TÜV Rheinland / EAC

Ex Approvals

Approval details

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

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Approvals

EAC



B.01742

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>