

Connector - PV-CM-S 2,5-6 (-) - 1774687

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Photovoltaic connector, Nominal current: 40 A, Nom. voltage: 1100 V, Connection type: Spring-cage, Color: black, Can only be released using a tool



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 046356 480192
GTIN	4046356480192
Weight per Piece (excluding packing)	13.600 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

External cable diameter	5 mm ... 8 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	2 Nm \pm 0.1 Nm
Insertion force	45 N \pm 10 N

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Technical data

General

Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N
Rated voltage	1100 V
Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	40 A
Rated current (6.0 mm ²)	40 A
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	Spring-cage
Connection capacity	2.5 mm ² ... 6 mm ²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

Standards and Regulations

Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

Approvals

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VDE Zeichengenehmigung / ETLus / EAC


Ex Approvals


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Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40031807
mm ² /AWG/kcmil		2.5	
Nominal current I _N		27 A	
Nominal voltage U _N		1100 V	

ETLus		http://www.intertek.com	4007180
mm ² /AWG/kcmil		14	
Nominal current I _N		15 A	
Nominal voltage U _N		1000 V	

EAC			B.01742
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