

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

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Photovoltaic connector, Nominal current: 65 A, Nom. voltage: 1500 V, Connection type: Spring-cage, Color: black, Can only be released using a tool



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
Weight per Piece (excluding packing)	24.0 g
Custom tariff number	85359000
Country of origin	Germany

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	Male connector
Tightening torque nut	3 Nm $\pm$ 0.1 Nm
Insertion force	45 N $\pm$ 10 N
Disconnect force	250 N $\pm$ 50 N
Pull-out force of cable $\geq$ disconnect force	> 500 N
Rated voltage	1500 V
Rated current (6.0 mm ²)	40 A
Rated current (10 mm ²)	50 A

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Technical data

General

Rated current (16 mm ²)	65 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	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

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440102
eCl@ss 9.0	27440107

ETIM

ETIM 4.0	EC002637
ETIM 5.0	EC002635

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409

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Classifications

UNSPSC

UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

VDE Zeichengenehmigung

Ex Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung 	
mm²/AWG/kcmil	6
Nominal current I _N	40 A
Nominal voltage U _N	1500 V

Drawings

Dimensional drawing



