

Plug-in 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 PCE
Minimum order quantity	50 PCE
GTIN	 4 046356 480192
Custom tariff number	85359000
Country of origin	GERMANY

Technical data

Technical data

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

Material properties

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag

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Technical data

Material properties

Inflammability class according to UL 94	V0
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Connection data

Connection method	Spring-cage
Connection capacity	2.5 mm ² ... 6 mm ²
External cable diameter	5 mm ... 8 mm
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

General data

Design	Male connector
Tightening torque nut	2 Nm ±0.1 N
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N

Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001753
ETIM 5.0	EC001753

UNSPSC

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

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	27260704
eCl@ss 7.0	27440402

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Approvals

Approvals


Approvals

VDE approval of drawings

Ex Approvals

Approvals submitted

Approval details

VDE approval of drawings 

Accessories

Accessories

Tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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

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Accessories

Protective cap - PV-C PROTECTION CAP - 1785430

Protective cap for SUNCLIX photovoltaic connector; degree of protection: IP67



Stripping pliers - QUICK WIREFOX 6 SC - 1207637



Stripping tool for short-circuit proof conductors, stripping range: 1.5 up to 6 mm², wire cutting up to 6 mm² cable stopper up to 18 mm²

Protective cap - PV-C PLUG - 1775631



Protective cap for SUNCLIX photovoltaic connector; degree of protection: IP67

Drawings

Dimensioned drawing

