



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 |
|---|----|

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

