

## Plug-in connector - PV-CF-S 2,5-6 (+) - 1774674

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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                   | <br>4 046356 480208 |
| Custom tariff number   | 85359000                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Technical data

|                                        |                        |
|----------------------------------------|------------------------|
| Rated voltage                          | 1100 V                 |
| Rated current (2.5 mm²)                | 27 A                   |
| Rated current (4.0 mm²)                | 40 A                   |
| Rated current (6.0 mm²)                | 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 mm² ... 6 mm² |
| 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                                      | Socket      |
| 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 | EC001121 |
| ETIM 5.0 | EC001121 |

### 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 |

## Plug-in connector - PV-CF-S 2,5-6 (+) - 1774674

### Approvals

#### Approvals

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Approvals

VDE approval of drawings

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Ex Approvals

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Approvals submitted

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#### 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 mm<sup>2</sup> 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 mm<sup>2</sup>, wire cutting up to 6 mm<sup>2</sup> cable stopper up to 18 mm<sup>2</sup>

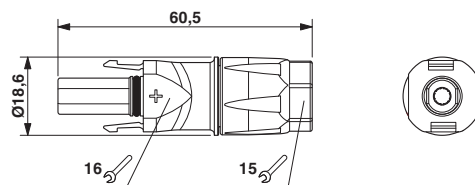
Protective cap - PV-C PLUG - 1775631



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

### Drawings

Dimensioned drawing



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