

# PV-AS-MC4/6-150-MN-SET1 - Photovoltaic adapter set



1079531

<https://www.phoenixcontact.com/us/products/1079531>

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Adapter, Range of articles: Sunclix, Photovoltaic adapter set, design: Adapter, housing material: PPE, color: black, rated current: 35 A, cable length: 150. Connect these connectors only to other connectors of the same type made by the same manufacturer. When making the connections, always observe the specifications regarding nominal voltage and nominal current. The smallest common value is permissible.

## Product description

Adapter set for photovoltaic connectors for connecting SUNCLIX connectors to type MC4 connectors from Multi Contact

## Commercial data

Item number	1079531
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	AB02
Product key	ABLBZC
GTIN	4055626800103
Weight per piece (including packing)	95.05 g
Weight per piece (excluding packing)	90.5 g
Customs tariff number	85446010
Country of origin	DE

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## Technical data

### Notes

#### General

Connect these connectors only to other connectors of the same type made by the same manufacturer. When making the connections, always observe the specifications regarding nominal voltage and nominal current. The smallest common value is permissible.

#### Safety note

#### Safety note

- **WARNING:** Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

- **WARNING:** Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

**WARNING:** The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- The products are suitable for applications in plant, controller, and electrical device engineering.

- Assembled products may not be manipulated or improperly opened.

- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).

- When using the product in direct connection with third-party manufacturers, the user is responsible.

- For operating voltages > 50 V AC, conductive connector housings must be grounded

- Ensure that the protective or functional ground has been properly connected.

- Observe the corresponding technical data. You will find information:

- o On the product

- o On the packing label

- o In the supplied documentation

- o Online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) under the product

- The installation notes/Design In documents online on the download page at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) must be observed for this product.

- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)

- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

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- Operate the connector only when it is fully plugged in and interlocked.
- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
- Observe the minimum bending radius of the cable. Lay the cable without twisting it.

## Product properties

Type	Adapter
Product type	Adapter
Product family	Sunclix

## Insulation characteristics

Protection class	II
Degree of pollution	2

## Electrical properties

Maximum load current	35 A (85 °C)
Rated voltage (II/2)	1000 V
Rated voltage (III/2)	1500 V
Rated surge voltage (II/2)	12 kV
Rated surge voltage (III/2)	12 kV
Rated surge voltage (III/3)	16 kV
Rated current	35 A
Contact resistance	< 1 mΩ ((incl. cable))

## Connection data

Maximum load current	35 A (85 °C)
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## Dimensions

Length	150 mm
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## Material specifications

Color	black
Color of the housing part	black
Flammability rating according to UL 94	V0
Insulating material group	I / CTI 600
Cable seal material	EPDM
Contact material	Cu
Contact surface material	Ag
Contact carrier material	PPE
O-ring material	Silopren
Material for screw connection	PPE
Housing material	PPE

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## Cable/line

Cable length	150 mm
Cable type	Multi-standard
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	flexible
External cable diameter	7.6 mm
External sheath, color	black

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (when plugged in)	IP68 (1 h / 1 m)
Degree of protection (not plugged in)	IP20
Ambient temperature (operation)	-40 °C ... 85 °C (-40 °C ... 70 °C (UL))

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1079531>



**EAC**

Approval ID: B.01687

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## Classifications

### ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

### ETIM

ETIM 8.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

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

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## Accessories

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

1204517

<https://www.phoenixcontact.com/us/products/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

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### PV-CF-S 2,5-6 (+) - Connector

1774674

<https://www.phoenixcontact.com/us/products/1774674>



Photovoltaic connector, Range of articles: Sunclix, Connector, housing material: PPE, color: black, number of positions: 1, min. conductor cross section: 2.5 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, rated voltage: 1100 V DC, rated current: 40 A, Connection method: Spring-cage, Contact connection type: Socket, min. cable diameter: 5.5 mm, max. cable diameter: 8 mm. The follow-up item is 1386381



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

1774687

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Photovoltaic connector, Range of articles: Sunclix, Connector, housing material: PPE, color: black, number of positions: 1, min. conductor cross section: 2.5 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, rated voltage: 1100 V DC, rated current: 40 A, Connection method: Spring-cage, Contact connection type: Pin, min. cable diameter: 5.5 mm, max. cable diameter: 8 mm. The follow-up item is 1386384

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