


# Photovoltaic Y-distributor - PV-ED6/Y-120(1+/2-) - 1030650

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Photovoltaic connector, Photovoltaic Y-distributor, housing material: PPE, color: black. Assembled with SUNCLIX - 1x female (plus) - 2x male (minus); length of single cable 0.12 m, varying number of nodes and customer-specific cable lengths are available on request.



## Key Commercial Data

Packing unit	1
GTIN	 4 0 5 5 6 2 6 5 3 3 4 8 3
GTIN	4055626533483
Custom tariff number	85446010

## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
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### General

Degree of pollution	2
Rated voltage	1500 V
Nominal cross section	6 mm <sup>2</sup>

### Material

Color	black
Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

### Connection data

Cable type	H1Z2Z2-K
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## Standards and Regulations

Flammability rating according to UL 94	V0
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## Technical data

### Standards and Regulations

Safety note	<ul style="list-style-type: none"> <li>• <b>WARNING:</b> Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>WARNING:</b> 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.</li> </ul>
	<p><b>WARNING:</b> The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p>
	<ul style="list-style-type: none"> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>
	<ul style="list-style-type: none"> <li>• Assembled products may not be manipulated or improperly opened.</li> </ul>
	<ul style="list-style-type: none"> <li>• 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 <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> </ul>
	<ul style="list-style-type: none"> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>
	<ul style="list-style-type: none"> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that the protective or functional ground has been properly connected.</li> </ul>
	<ul style="list-style-type: none"> <li>• Observe the corresponding technical data. You will find information:                             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• The installation notes/Design In documents online on the download page at <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> </ul>
	<ul style="list-style-type: none"> <li>• 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 <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a></li> </ul>
	<ul style="list-style-type: none"> <li>• 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).</li> </ul>
	<ul style="list-style-type: none"> <li>• Operate the connector only when it is fully plugged in and interlocked.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>
	<ul style="list-style-type: none"> <li>• Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>

## Classifications

eCl@ss

eCl@ss 9.0	27060313
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## Classifications

### ETIM

ETIM 6.0	EC001855
ETIM 7.0	EC001855

## Approvals

### Approvals

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### Approvals


#### EAC

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### Ex Approvals

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## Approval details

EAC		B.01687
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