

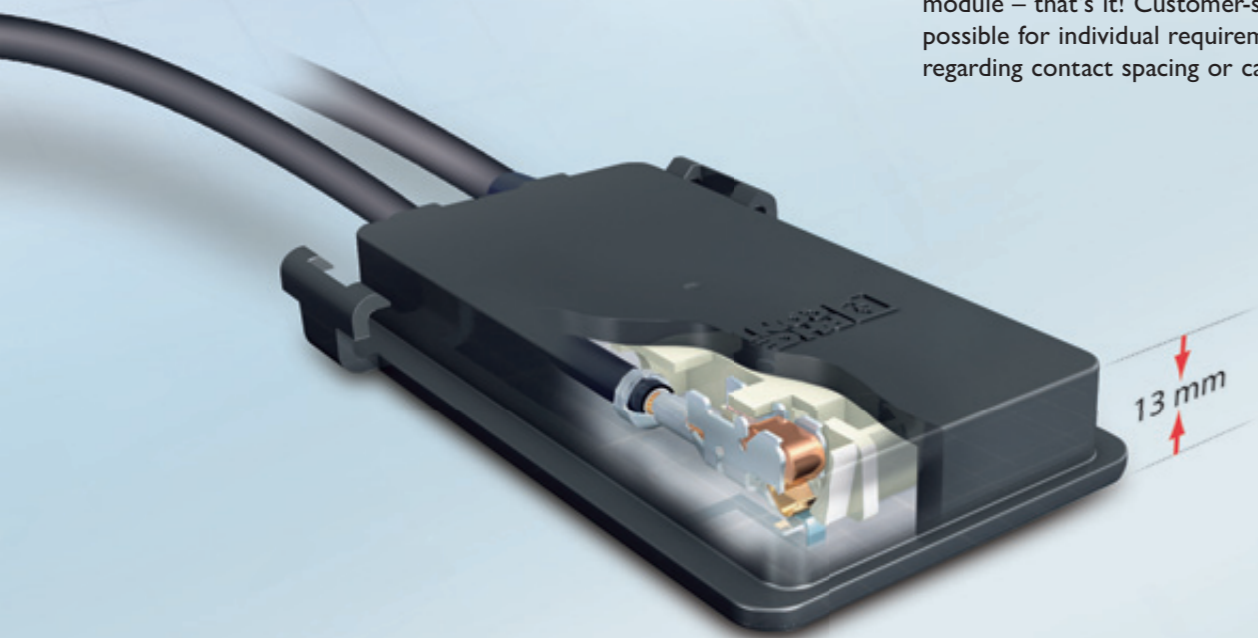
#### Technical data

Number of contacts: 2 ribbons plus 1 diode  
Contact spacing: 20 mm  
(customer-specific adaptations are possible)  
Ribbon dimensions: width of up to 4 mm/thickness 0.2 mm  
External cable diameter: 5.5 mm ± 0.2 mm  
Type of protection: IP65  
Corresponds to the VDE 0126-5 requirements

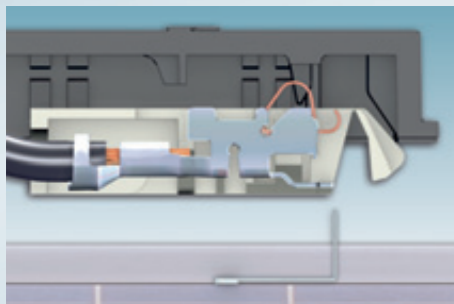
**Automatic contacting  
when mounted.**

### SUNCLIX junction box For an automated process

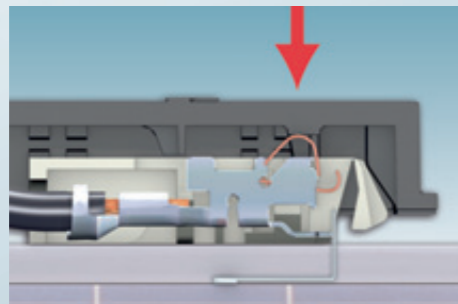
The SUNCLIX junction box contacts the photovoltaic modules quickly and reliably in one step. It is specially designed for thin-film modules or crystalline modules of small performance classes. The special feature is the fully automated assembly of the junction box. It is simply aligned with the upright contact ribbons and pressed against the module – that's it! Customer-specific adaptation is possible for individual requirements, for instance regarding contact spacing or cable cross-section.



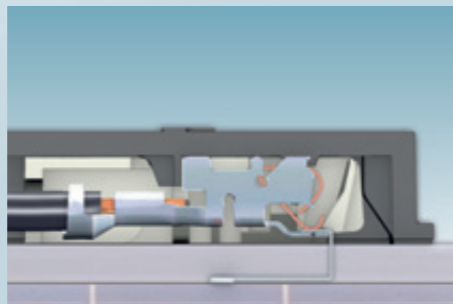
#### Assembly steps:



1. Position the junction box above the ribbon



2. Mount the junction box, the ribbon is gripped automatically

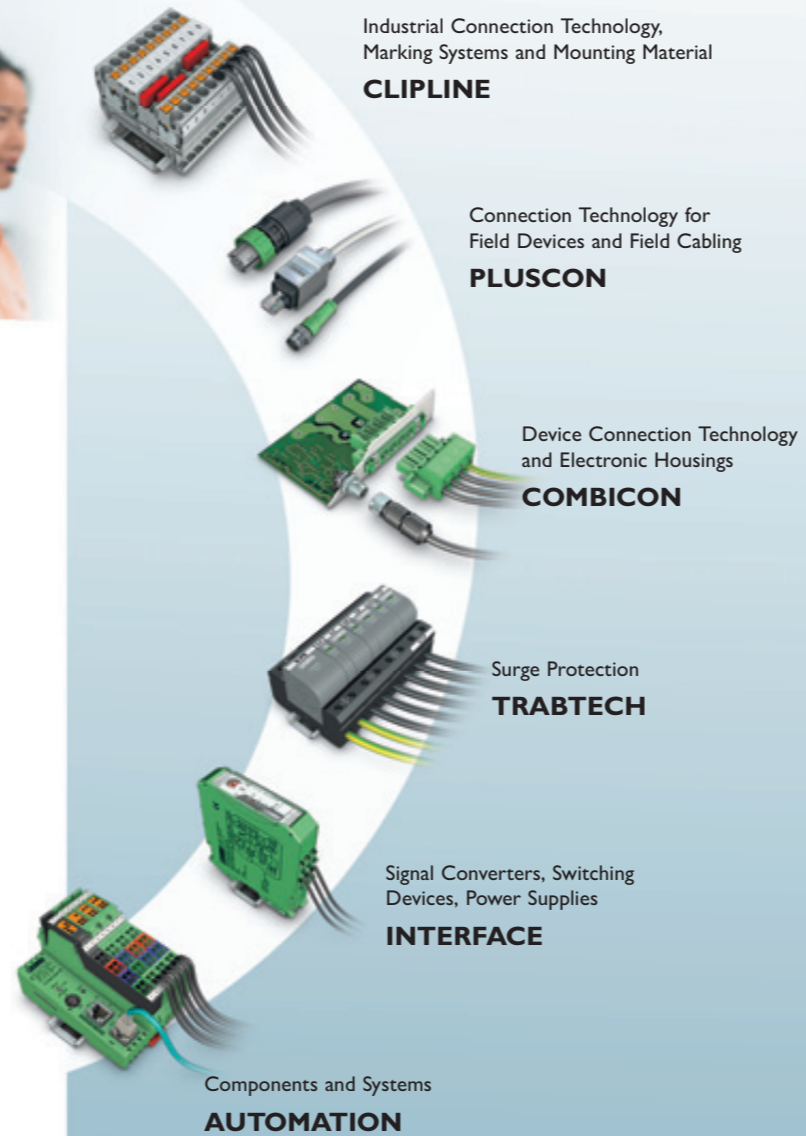


3. Press the junction box down, the ribbon is contacted automatically and the box is firmly glued

Further information on the products presented here and on the world of solutions from Phoenix Contact can be found at [www.phoenixcontact.net/catalog](http://www.phoenixcontact.net/catalog)

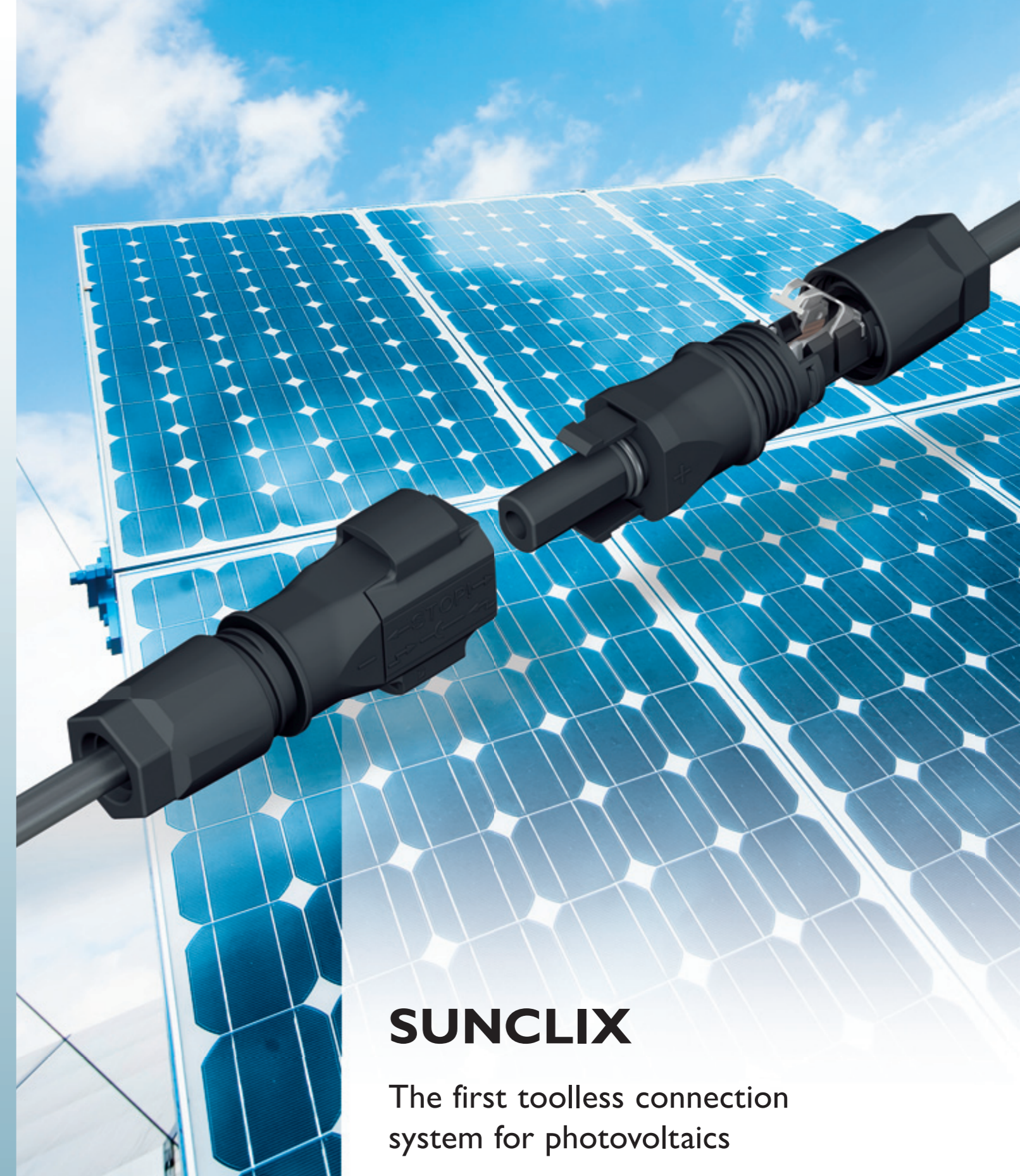


Or contact us directly.



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## SUNCLIX

The first toolless connection system for photovoltaics

# The first toolless connection system for photovoltaics – simple efficiency!

Say goodbye to crimping pliers, shrink sleeves and other compromises. From now on, when installing photovoltaic systems, you can wire varying cable lengths from the module to the inverter considerably more efficiently – with SUNCLIX. The field assembly SUNCLIX connector can be connected quickly, easily and reliably without any special tools:

1. Insert the stripped PV conductor
2. Press down the spring and snap it in
3. Tighten the screw connection – that's it!

There is nothing more to prevent module manufacturers from increasing productivity. The 100% automated SUNCLIX junction box simplifies the processes and thus reduces costs.

SUNCLIX – a complete system from the module to the inverter.

Technical data
Voltage: 1100 V
Current: 40 A already with 4 mm <sup>2</sup>
Cable cross-section: 2.5 to 6 mm <sup>2</sup>
Type of protection: IP68
Temperature range: -40°C to +90°C
Degree of protection: II
Meets the requirements of DIN EN 50521
<b>No special tools needed.</b> <b>Can be unlocked with a screwdriver.</b>

## SUNCLIX connectors A revolution in installation

The SUNCLIX connectors that can be assembled in the field help you to save costs and time. The connector is supplied preassembled, so that no extra parts are necessary. The spring-cage connection allows an easy and quick on-site connection without any special tools. Simply insert the conductor, close the spring, tighten the screw connection and you're done!

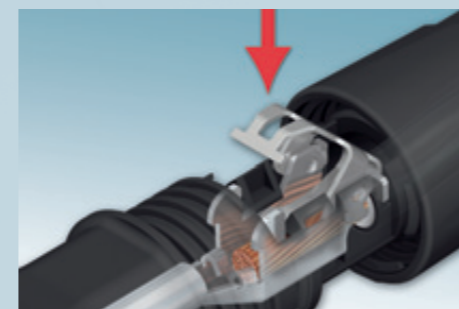
Order numbers:

Plug connector, female (+) : 1774674  
Plug connector, male (-) : 1774687

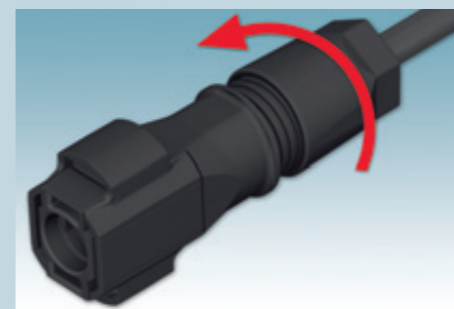
### Assembly steps:



1. Insert the stripped PV conductor



2. Press down the spring and snap it in

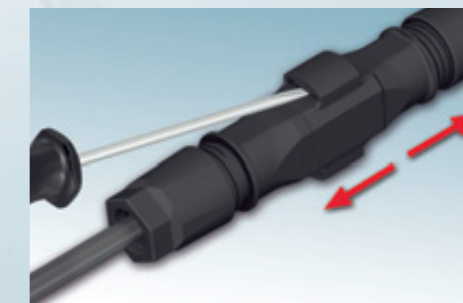


3. Tighten the screw connection – that's it!



## SUNCLIX connectors Non-stop up to the inverter

Especially the last cable section to the solar inverter usually has an indefinite and variable length. SUNCLIX connectors make connecting the conductor to the SMA inverter faster and simpler than previously. The interlocking of field and device connectors that can only be opened using a screwdriver prevents accidental removal of the connector from the inverter.



Can only be unlocked with a screwdriver

