

FAST MOVING TECHNOLOGY

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**STÄUBLI**

# Original MC4-Evo ready

Renewable Energy | Solar Photovoltaics

EN



# Female and male cable coupler MC4-Evo ready

As individual part, completely pre-assembled



Female cable coupler PV-KBT4-EVO READY



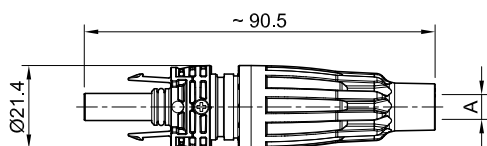
Male cable coupler PV-KST4-EVO READY

- Tool-free cable connection: no crimping necessary, the contact is made by an automatically closing spring clamp.
- For cable cross sections of 4 mm<sup>2</sup> and 6 mm<sup>2</sup>
- No single parts, the connectors are complete and pre-screwed: insert the stripped PV lead, screw on the housing, done!
- To be used with suitable mated connectors from the MC4 product family and suitable lead.

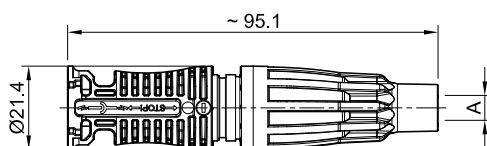
## Technical data

Technical data	
Type designation	PV-KBT4-EVO READY PV-KST4-EVO READY
Rated current	30 A
Rated voltage	DC 1500 V
Ambient temperature range	-40 °C ... +85 °C (IEC)
Upper limiting temperature	115 °C (IEC)
Transportation/storage temperature range	-30 °C ... +60 °C
Transportation/storage relative humidity	< 70 %
Overvoltage category	III
Safety class (IEC)	II
Degree of protection, mated	IP65/IP68 (1 m, 1 h)
Degree of protection, unmated	IP2X
Contact resistance of plug connectors	< 0,5 mΩ
Rated impulse voltage	16 kV
Type of connection	Spring clip (tool-free connection)
Contact material	Copper, tin-plated
Insulation material	PA
Locking system	Locking type
Fire protection class	UL94-V0
TÜV-Rheinland certified according to IEC 62852:2014+Amd.1:2020	R 60174999

## Dimensional drawings



Female cable coupler PV-KBT4-EVO READY



Male cable coupler PV-KST4-EVO READY

## Ordering information

Order No.	Packaging unit*	Type	Socket	Plug	Outer diameter of the lead	IEC 62852			Approvals
						mm <sup>2</sup>	DC V	A	
32.0030	10	PV-KBT4-EVO READY	x		5.4 – 7.6	4	1500	30	x
						6	1500	30	
32.0029	10	PV-KST4-EVO READY		x	5.4 – 7.6	4	1500	30	x
						6	1500	30	

\* Minimum order quantity: 20 packaging units

### Note:

Unmated connectors must be protected from any contamination using Stäubli sealing caps. For ordering information concerning Stäubli sealing caps, please consult corresponding catalog (see "Further information").

## Further Information



### Tools and accessories

For related Stäubli tools and accessories please consult:

[www.staubli.com/re-downloads.html](http://www.staubli.com/re-downloads.html) → English → catalog → **Tools and accessories**



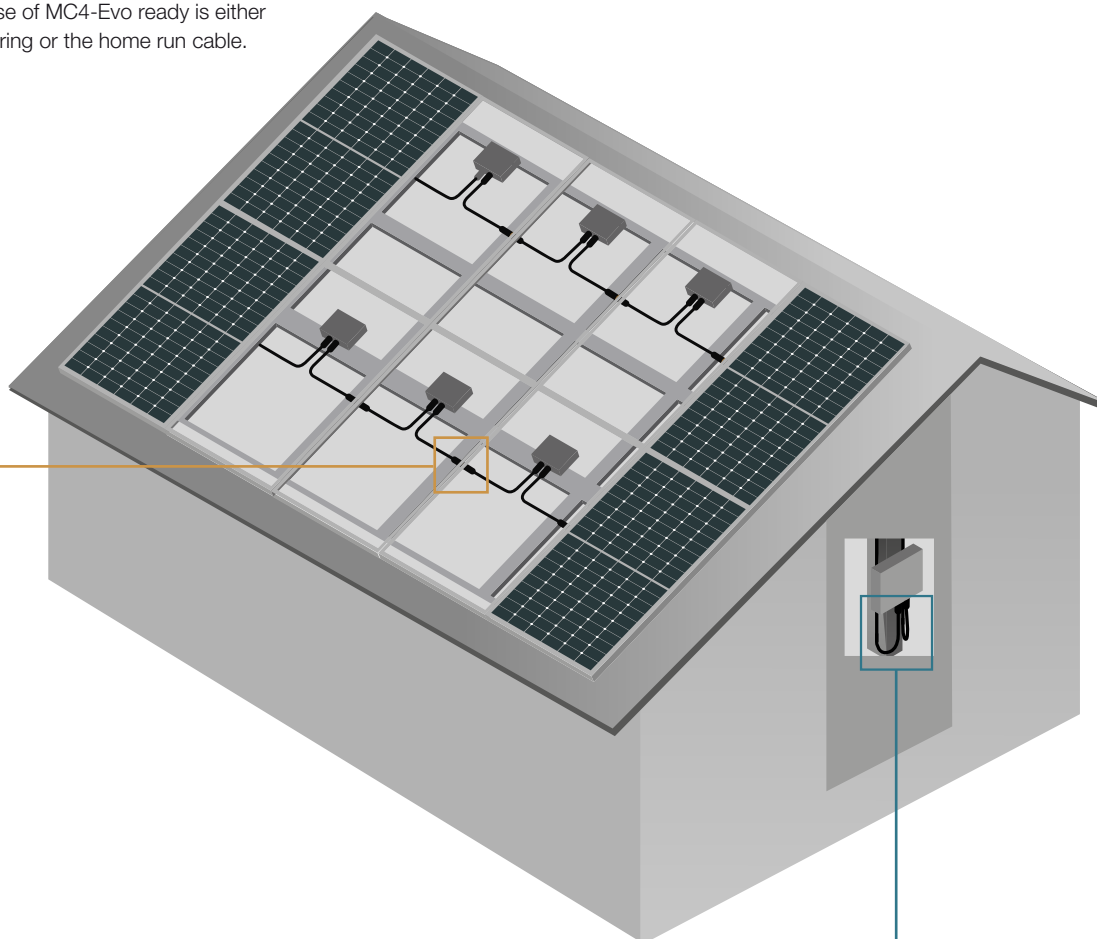
### Assembly instructions

For assembly instructions for "MC4-Evo ready connector" please consult:

[www.staubli.com/re-downloads.html](http://www.staubli.com/re-downloads.html) → English → Assembly instructions → **MA293**

## Application example

The intended use of MC4-Evo ready is either within the PV string or the home run cable.









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# Global presence of the Stäubli Group

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