FAST MOVING TECHNOLOGY

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

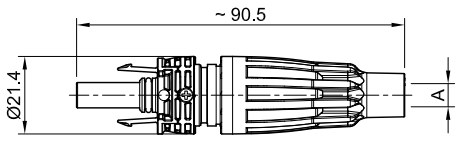
- Tool-free cable connection: no crimping necessary, the contact is made by an automatically closing spring clamp.
- For cable cross sections of 4 mm² and 6 mm²
- No single parts, the connectors are complete and pre-screwed: insert the stripped PV lead, screw on the housing, done!
- To be used with suitable mated connectors from the MC4 product family and suitable lead.

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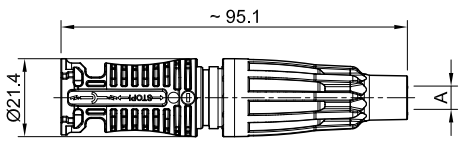
Technical data

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

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Ordering information

Order No.	Packaging unit*	Type	Socket	Plug	Outer diameter of the lead	IEC 62852			Approvals
	Units				A (mm)	mm²	DC V	A	TÜV
32.0030	10	PV-KBT4-EVO READY	x		5.5 – 7.5	4	1500	30	x
						6	1500	30	
32.0029	10	PV-KST4-EVO READY		x	5.5 – 7.5	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”).

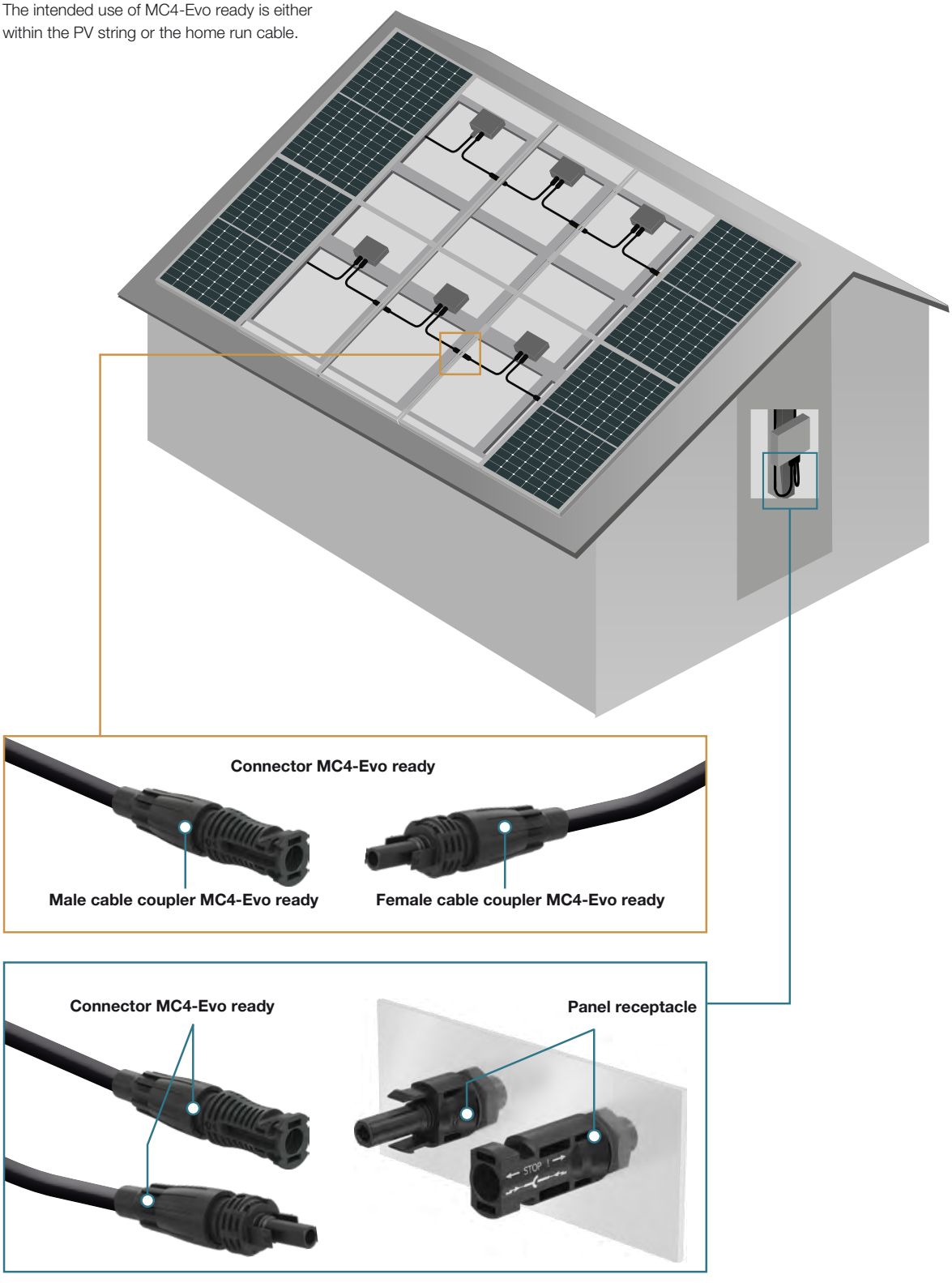
Further Information

Tools and accessories
For related Stäubli tools and accessories please consult:
www.staubli.com/re-downloads.html ➞ English➞ catalog ➞ **Tools and accessories**

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



PV Sol Original MC4-Evo ready 11014099-de A 02.2024



● Stäubli Units ○ Representatives/Agents

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