



STAUBLI MA270 Assembly And Unlocking Tool User Manual

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Safety instructions

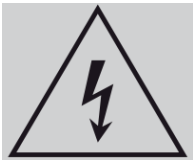
These assembly instructions and the assembly steps and instructions described are an integral part of and prerequisite for certification by TÜV Rheinland and UL.

Stäubli Electrical Connectors (Stäubli) does not accept any liability in the event of failure to observe these warnings.



Installation, electrotechnical expertise

The products may be assembled and installed by electrically skilled or instructed persons duly observing all applicable safety regulations.



Caution, risk of electric shock

Work in a de-energized state Follow the five safety rules, when working on electrical installations. After the respective electrical installations have been identified, the following five essential requirements shall be undertaken in the specified order unless there are essential reasons for doing otherwise:

- disconnect completely;
- secure against re-connection;
- verify absence of operating voltage;
- carry out grounding and short-circuiting;
- provide protection against adjacent live parts.

Any person engaged in this work activity shall be ele.

Protection against electric shock shall be checked in the end-use applications too.ctrically skilled or instructed, or shall be supervised by such a person. Source: EN 50110-1:2013

Caution

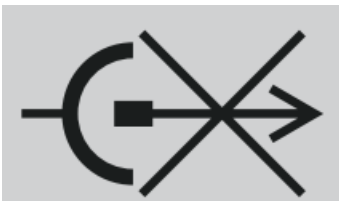
Each time the connector is used, it should previously be inspected for external defects. If there are any doubts as to its safety, a specialist must be consulted.

Use only in accordance with the specification provided in the technical data (see product catalog).

The wearing of suitable protective equipment or the performance of the relevant work is the responsibility of the user.

Components and packaging materials are not toys; small parts can pose a choking hazard if swallowed.

Packaging material can pose a risk of suffocation. Proper disposal of products and packaging materials after use.



Do not disconnect under load

Disconnect Under Load: PV plug connections must not be disconnected while under load.

During no-load operation plugging and unplugging when live is permitted (by switching off the DC/AC converter or breaking the AC circuit).

Utilisation matrix



Unlocking

		Buchse/Socket		
		MC4	MC4-Evo 2	TwinBox
Stecker P lug	MC4	PV-MS-PLS/1	PV-MS-PLS/1	PV-MS-PLS/1
	MC4 + SSH4	PV-MS-PLS/1	PV-MS-PLS/1	—
	MC4-Evo 2	PV-MS-PLS/2	PV-MS-PLS/2	—
	TwinBox	PV-MS-PLS/1	—	—

Screw assembly

Operation

Unlocking of connections

Unlocking MC4

Push the unlocking pins of PV-MS-PLS/1 onto the locking clips of the socket and separate the connection.



Unlocking MC4 with locking clip PV-SSH4

Push the unlocking pins of PV-MS-PLS/1 into the openings provided in PV-SSH4 and onto the locking clips of the socket and separate the connection.



Unlocking MC4-Evo 2

Push the unlocking pins of PV-MS-PLS/2 into the openings provided in the plug onto the locking clips of the socket and separate the connection.



Unlocking the TwinBox plug

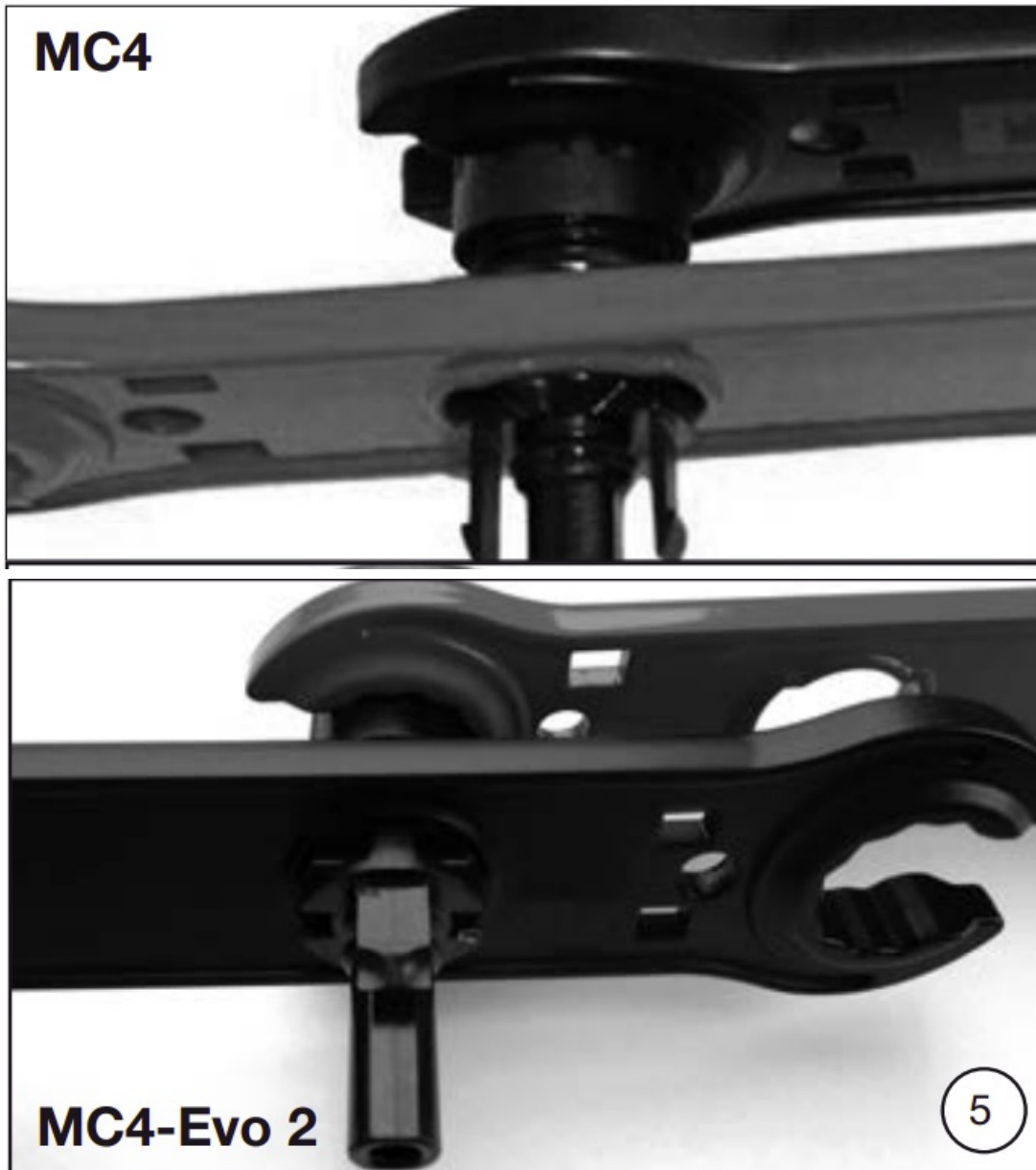
Push the unlocking pins of PV-MS-PLS/1 onto the locking clips of the MC4 socket and pull the socket out of the plug housing of the TwinBo Screw assembly of connections. **(ill. 5) MC4**

Insert the housing of the MC4 socket or plug in the assembly opening (holder) of the PV-MS-PLS/2 and screw on the cap nut with the ring spanner of the PV-MS-PLS/1.



MC4-Evo 2

Insert the housing of the MC4-Evo 2 socket or plug in the assembly opening (holder) of the PC-MS-PLS/1 and screw on the cap nut with the ring spanner of the PV-MS-PLS/2.



Note:

i 1 Further details on screwing the cap nut onto the plug connector are given in the assembly instructions MA231 (MC4) and MA273 (MC4-Evo 2). Do not insert PV-MS-PLS/1 and PV-MS-PLS/2 in sockets or plugs of the connectors.

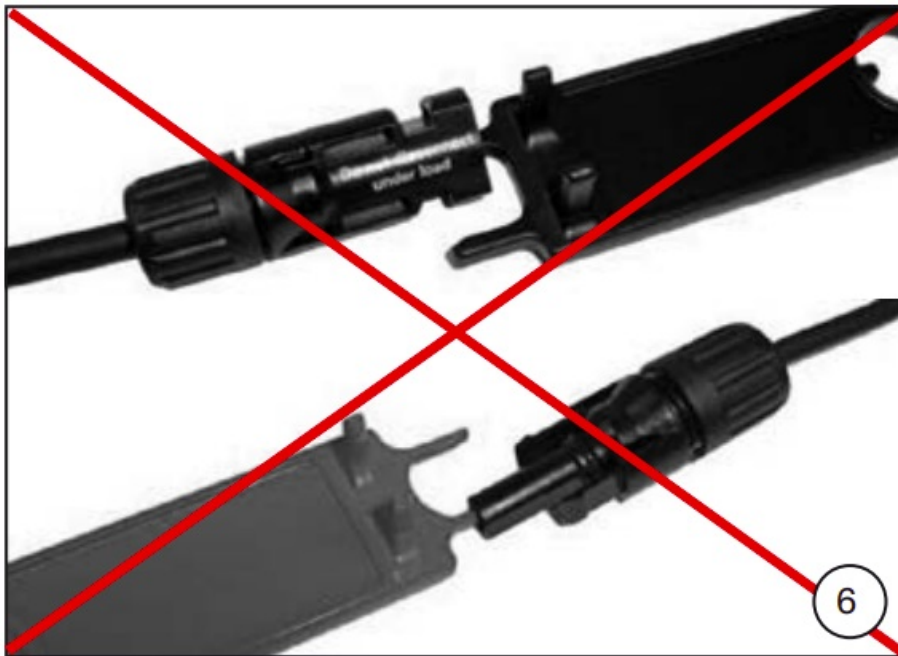
Do not insert PV-MS-PLS/2 and PV-MS-PLS/2 into the openings of a mains power outlet



Misuse

(ill. 6)

Do not insert PV-MS-PLS/1 and PV-MS-PLS/2 in sockets or plugs of the connectors.



(ill. 7)

Do not insert PV-MS-PLS/2 and PV-MS-PLS/2 into the openings of a mains power outlet.



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Documents / Resources

	<p>STAUBLI MA270 Assembly And Unlocking Tool [pdf] User Manual MA270 Assembly And Unlocking Tool, MA270, Assembly And Unlocking Tool, Unlocking Tool, Tool</p>
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References

- [!\[\]\(6841ca9b0e023296428e7c9e683b9367_img.jpg\) Electrical connectors for reliable, safe and durable solutions - Stäubli](#)
- [User Manual](#)

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