KACO new energy.

Direct String Connection Kit

Direct connection of up to 18 strings to one inverter.

Installation Manual

Safe. Flexible. Precise.

Designed for a DC system voltage of up to 1500 V

Direct connection of up to 18 strings to the inverter

Solution for the inverter series blueplanet 87.0 TL3 XL - 165 TL3 XL

Use of the XL version of the inverters with integrated DC-switch

Fuse sizes: 15 A, 20 A

Connection of PV strings via MC4-EVO2 connectors

In cooperation with

HIS we connect solar energy

EUPD RESEARCH TOP BRAND PV INVERTERS EUROPE 2021

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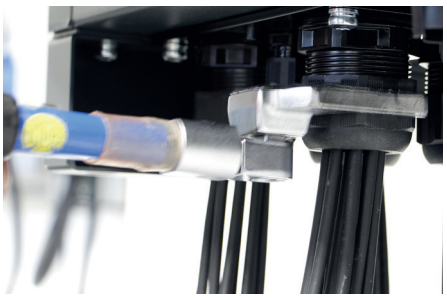

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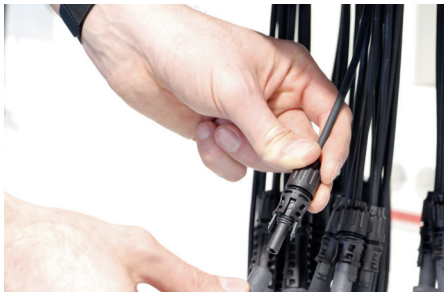

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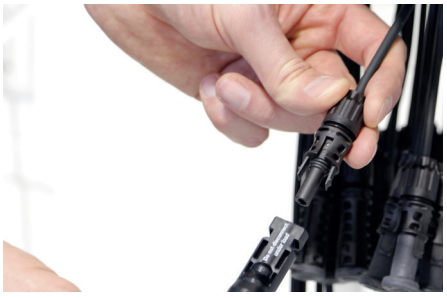


13.

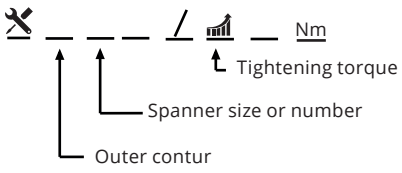
1.	I.) Set DC disconnector from **1** On to **0** Off II.) Remove the screws [T_25] III.) Remove the inverter housing cover
2.	I.) Remove the screws of the DC input plate [T_30] II.) Remove DC input plate **Be careful not to damage the seal!**
3.	- Loosen and remove cable fittings M40
4.	- Remove the lock nuts of the cable fittings
5.	- Insert the cable string bundles into the DC input plate **Ensure correct polarity!**
6.	- Tighten the cable fittings with a suitable torque wrench and the appropriate turning moment 10 Nm (max. 20 Nm) (see installation leaflet of the DSCK*)
7.	- Position the DC input plate and tighten the screws with the correct turning moment [T_30 / 6 Nm]
8.	- Connect the cable lugs to the internal DC switch (see inverter manual)
9.1/9.2	- Tighten the screws with the correct turning moment [W_17 / 30 Nm]
10.	- Tighten the cap nut with a suitable torque wrench and the appropriate turning moment 10 Nm (max. 20 Nm) (see installation leaflet of the DSCK*)
11.	I.) Refit inverter housing cover II.) Tighten enclosure cover screws with correct turning moment [T_25 / 4,8 Nm]
12.	- Remove the dust protection caps of the DC connectors for the number of strings to be connected
13.	- Connect the DC inline fuses to the DC connectors.

The safety instructions and warnings contained in the manual also apply to the installation of the DSCK*.

*Direct String Connection Kit

Installation tool

Code (s)	Shape of connector
W	External hexagon
A	Internal hexagon
T	Torx
S	Slot



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