



## ASSEMBLY INSTRUCTIONS

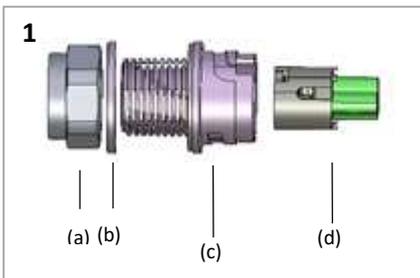
### Safety Note



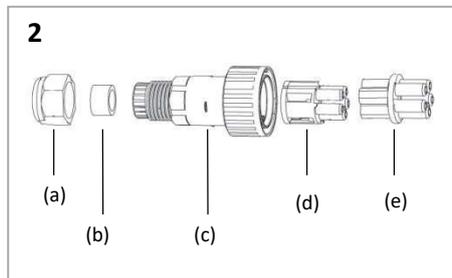
- Disconnect power supply before commencing.
- If the preparation and assembly instructions described here are disregarded then neither safety nor compliance with the technical data can be guaranteed.
- Unconnected connectors must always be protected from pollution (e.g. dust, humidity, foreign particles, etc.) prior to installation. Do not leave unconnected (unprotected) connectors exposed to the environment. The usage of Techno connector sealing caps is strongly recommended.

### Technical data

Part Numbers	THB.406.A8A.X THB.406.C8A	THB.405.A8A.X - THB.405.B8A THB.405.C8A - THB.405.D8A
Number of poles	8 poles	8 poles
Type of connection	Screw	Screw
Rated Voltage	10A AC/DC	10A AC/DC
Rated current	400V (60V DC)	400V (60V DC)
Body Material	PA66 UL94 V2	PA66 UL94 V2
Connector housing	PA66 GF UL94 V0	PA66 GF UL94 V0
Cord diameter min – max		7.0 mm – 13.5 mm
Conductor cross section min - max	0.25 sqmm – 1.0 sqmm	0.25 sqmm – 1.0 sqmm
Dismantling length	35 mm	35 mm
Insulation strip length	6 mm	6 mm



Set-up of the male connector THB.406.xxx: (a) Lock nuts, (b) Gasket (c) Connector housing, (d) Connector insert (male or female)



Set-up of the female connector THB.405.xxx: (a) Pressure nut, (b) cable seal, (c) connector housing, (d) connector insert (male or female), (e) fixing tool.

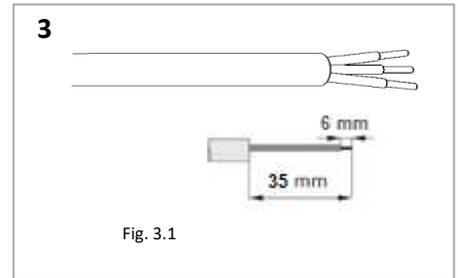
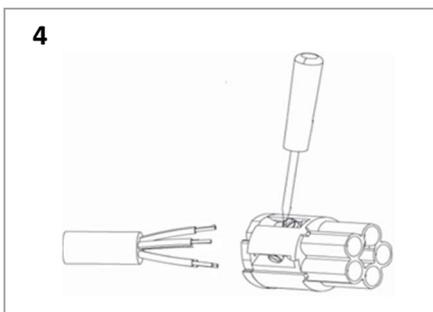
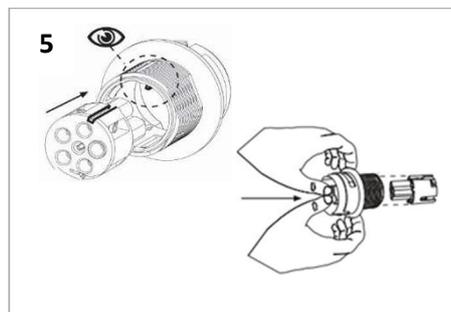


Fig. 3.1

Strip the cable a length of 35 mm and strip the wires a length of 6 mm and twist them together (Fig.3.1)

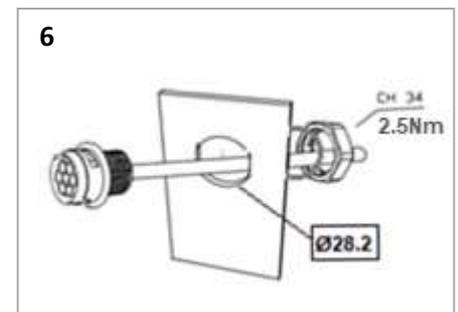


Connect the wires to the male connector insert (or female connector insert) with a screw driver  
Screws must be closed using a torque of 0.8 Nm for pressure wire

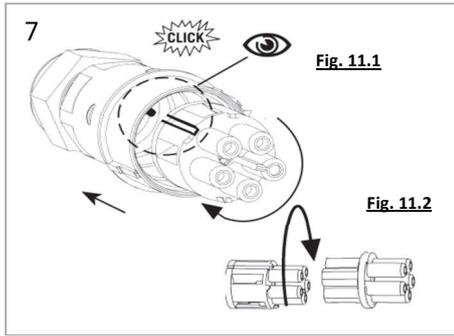


Insert the male connector in the housing until it stop. Make sure the housing's protrusion match with the connector insert's cavity.

Push with both hands on the connector to pull it out from the connector housing



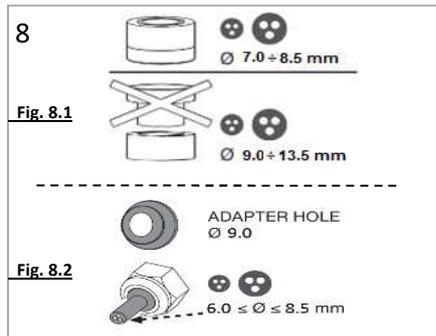
Create a hole in the mounting face and tighten the lock nut using the appropriate tool to a torque between 2.5 Nm and 4 Nm



Insert the female connector insert in the housing until it stop. Make sure the housing's protrusion match with the connector insert's cavity (Fig. 11.1)

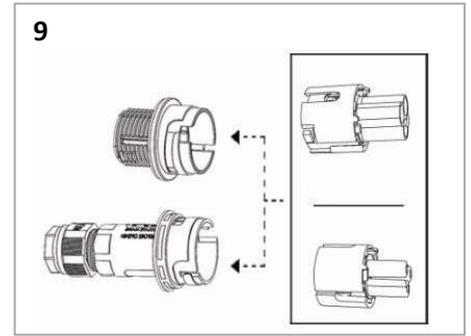
Screw the insert until you hear its give an audible click and you feel the insert reach the end position (Fig. 11.1)

Use the fixing tool to screw the insert (Fig.11.2)

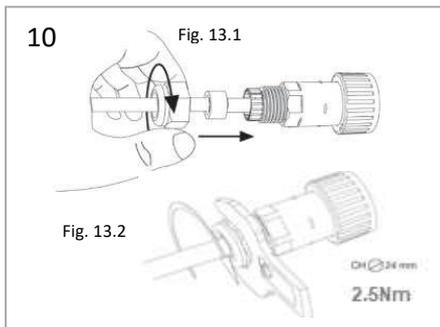


Choose the cable seal and the cable adapter according to the cable diameter (Fig. 8.1).

Push the pressure nut and the cable seal over the cable (Fig. 8.2).

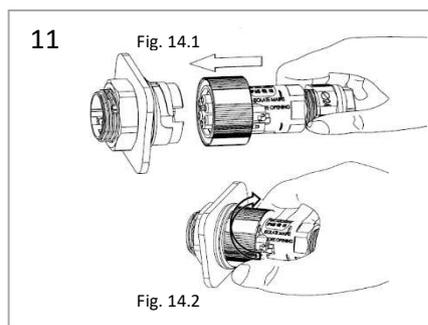


The male and female connector can be inserted in both connector housings (male or female) depending on the application needs



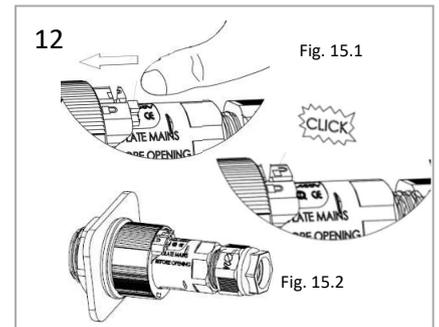
Press the cable seal into the connector housing until it stop and screw the pressure nut on the connector housing (Fig. 13.1)

(Fig. 13.2)Tighten the pressure nut using the appropriate tool to a torque between 2.5Nm



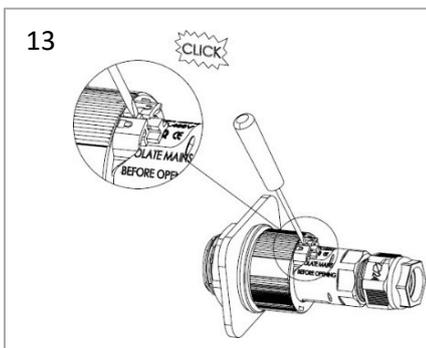
For mating align the two half connectors and mate them together by hand until they stop (male and female connectors incorporate keying features) (Fig. 14.1)

Screw the locking nut until it stop (Fig. 14.2)



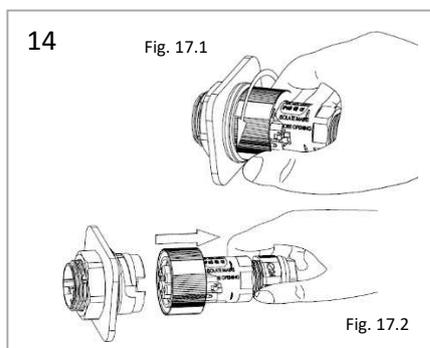
Push by hand the safe lock slider till it stop. A "click" should be heard or felt when the slider is seated in correct position (Fig 15.1)

The connector system is fully mated only when the safe lock slider is in the lock position (Fig. 15.2)



For un-mating, a tool is required to disconnect the connector.

To unlock the connector system, gently pull the safe locker slider out till it is in the unlock position.



To un-mate connectors unscrew the locking nut until it stop.(Fig.17.1)

Pull the connector housings apart (Fig. 17.2)