

# Assembly Instruction



## Piercecon® connection

### Relative Model No.



PCA-1557730



### Features

- Quick connection M8 Round Connector with Piercecon® Technique, Piercecon is patented by CONINVERS.
- Save wiring time ca. 70% against solder or screw connection.
- It is very small construction in self assembled M8 connector.



Structure image of wiring

### Preparation

- Cable Stripper for outer sheath (Recommendation: CYCLOPS(1204481))
- Cable Cutter (ex. Small size nippers)

### Product Construction

Please check contents.



Body I    Body II    Cable Guide    Pressure Hull    Cap

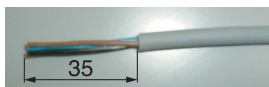
Included 2 Cable Guides.  
 White ... 0.25 to 0.34mm<sup>2</sup> (AWG24-22)  
 Min. Cable outer dia. 1.3mm  
 Black ... 0.14 to 0.25mm<sup>2</sup> (AWG26-24)  
 Min. Cable outer dia. 1.0mm



### Assembly

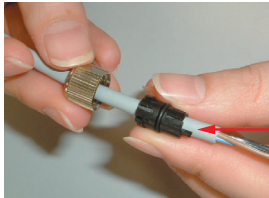
#### 1 Strip cable sheath. (approx. 35mm)

Do not strip core cables.



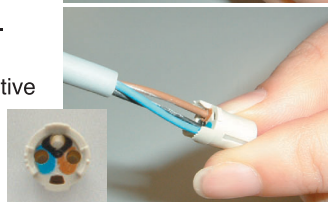
#### 2 Push Cap and Pressure Hull onto the cable.

Keep direction of Pressure Hull (s. Photo □ is right side).



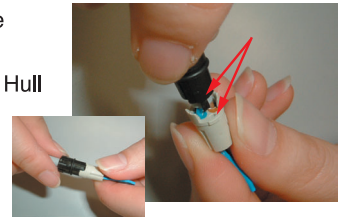
#### 3 Clamp cable into Cable Guide.

Cable Guide is colored respective cable color of sensor.



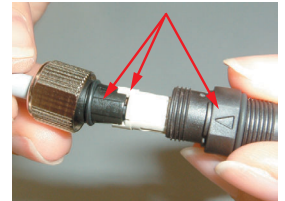
#### 4 Push Pressure Hull into Cable Guide.

Meet the position of Pressure Hull □ and Cable Guide □.



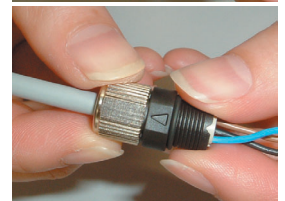
#### 5 Combine 4 and Body II.

Meet the position of Mark ▲ on Body II, Pressure Hull and Cable Guide □.



#### 6 Screw the Cap into Body II.

Tightening Torque: 1.08 to 1.32N·m  
 Full screw each others.



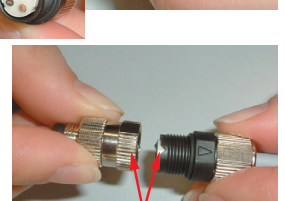
#### 7 Cut out cables with nippers.

Shape cross sections.



#### 8 Screw Body I and Body II.

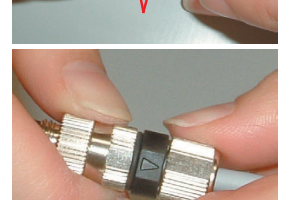
Meet the position of Mark ▲ on Body I and Body II.



#### 9 Tighten without gap between Body I and Body II.

Tightening Torque: 1.08 to 1.32N·m

Make sure the connector has no losing.



#### 10 Finish



### Note

- Frequency of connector between cables of the same cross section is 10 times at max..
- Only for flexible cable, not for solid cable.
- If you connect cables again, please cut and strip the cable.
- Please do not use it besides an original purpose.
- Piercecon may only be operated when under no load.
- The work by the wet hand causes the electric shock.
- Please never perform the repair.
- Piercecon® is licensed by CONINVERS GmbH.

**SMC Corporation**

URL <http://www.smcworld.com>