

Assembly Instruction



Spring-cage connection

Relative Model No.

● Plug



- For CC-Link: **PCA-1557617**
- For DeviceNet™: **PCA-1557659**
- For PROFIBUS DP: **PCA-1557701**

● Socket



- For CC-Link: **PCA-1557620**
- For DeviceNet™: **PCA-1557662**
- For PROFIBUS DP: **PCA-1557714**

Wiring

CC-Link

Terminal No.	Wiring colour	Wire colour	Signal
1	Grey	(Shield)	SLD
2	White	White	DB
3	Yellow	Yellow	DG
4	Blue	Blue	DA



Terminal No.	Wiring colour	Wire colour	Signal
1	Grey	(Shield)	DRAIN
2	Red	Red	V+
3	Black	Black	V-
4	White	White	CAN H
5	Blue	Blue	CAN L



Terminal No.	Wiring colour	Wire colour	Signal
1	—	—	—
2	Green	Green	A Line
3	—	—	—
4	Red	Red	B Line
5	—	—	—

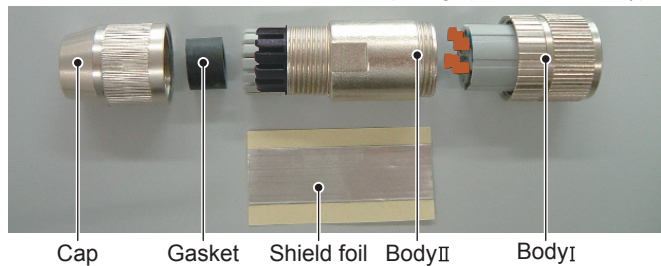
Preparation

- Stripper for cable sheath
(Recommendation: WIREFOX-D 11 (1212160))
- Stripper for wire sheath
(Recommendation: WIREFOX 2,5 (1212368))
- Nippers for cutting shield
(Recommendation: MICROFOX-SP (1212488))

Product Construction

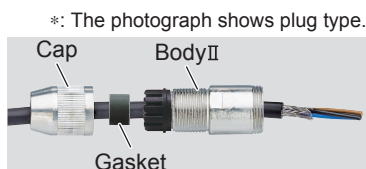
Please check contents.

※: The photograph shows socket type.

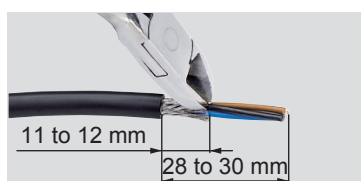


Assembly

- 1 First slide the Cap, Gasket and BodyII over the cable.

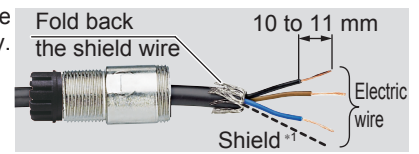


- 2 Strip off the cable sheath. Leave 28 to 30 mm of the electric wire and 11 to 12 mm of the shield wire.



Assembly

- 3 Fold back the shield wire to the cable temporarily. Strip 10 to 11 mm off the single wires. If necessary, crimp suitable ferrules to the end of each wire.

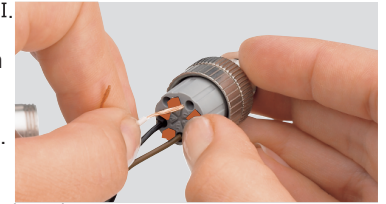


※1: CC-Link, DeviceNet™

- Pin terminal (ferrule)
(Recommended: Phoenix Contact AI 0, 5-10 WH (3201275))
- Tool for crimping the pin terminal (ferrule)
(Exclusive: Phoenix Contact CRIMPFOX 6 (1212034))
(Exclusive: Phoenix Contact CRIMPFOX CENTRUS 10S (1213154))

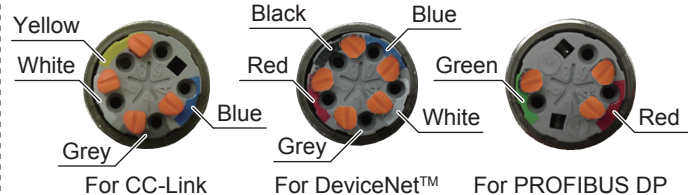
- 4 Connect the wire into Body I.

In case of stranded wire, press the button and open the connection part and insert the wire until the conductor cannot be seen. For CC-Link and DeviceNet™, insert the shield ※1 into terminal No.1 (grey).

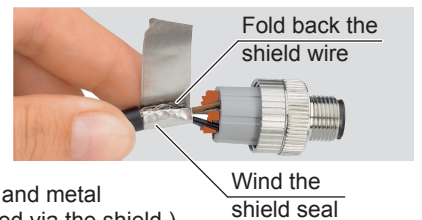


In case of the wire with a ferrule, insert directly. The colour coding is previously printed on the connector according to the wire colour. (Refer to the connection on the left side.)

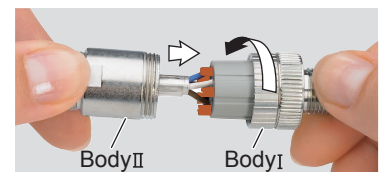
Connection surface



- 5 Fold back the braided shield again. Now remove the shield foil from the paper and apply the adhesive foil around the braided shield. (The cable shield wire and metal enclosure are connected via the shield.)



- 6 Pull Body I up to Body II and hold it tightly while you screw on Body I. Recommended torque: 0.8 Nm



- 7 Mount cap to the body II. Recommended torque: 2.5 to 3.0 Nm



Make sure the connector has no loosening.

Note

- Please do not use it for purposes other than the original purpose.
- This connector may only be operated when under no load.
- Working with wet hands causes electric shock.
- Please never perform a repair.

SMC Corporation

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