

Assembly Instruction



Push-in type

Relative Model No.

SPEEDCON

● Plug



- For CC-Link: **PCA-1075526**
- For DeviceNet™: **PCA-1075528**
- For PROFIBUS DP: **PCA-1075530**

● Socket



- For CC-Link: **PCA-1075527**
- For DeviceNet™: **PCA-1075529**
- For PROFIBUS DP: **PCA-1075531**

Wiring

CC-Link

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

DeviceNet

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



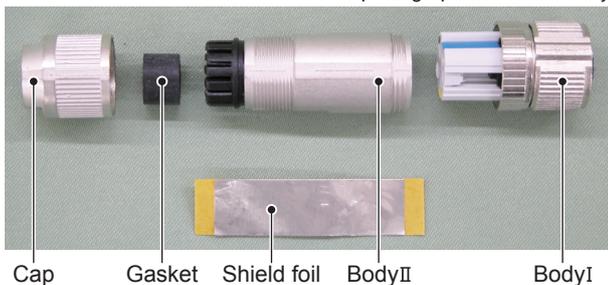
Terminal No.	Lock lever color	Wire color	Signal
1	—	—	—
2	Green	Green	A Line
3	—	—	—
4	Red	Red	B Line
5	—	—	—

Preparation

- Stripper for cable sheath (recommended)
WIREFOX-D 11 (Phoenix Contact No.1212160)
- Stripper for conductor sheath (recommended)
WIREFOX 2,5 (Phoenix Contact No.1212368)
- Cutters for cutting shield (recommended)
MICROFOX-SP (Phoenix Contact No.1212488)

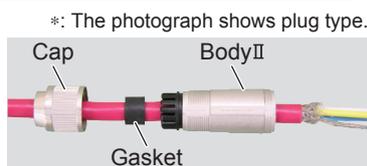
Product Construction

Please check contents. *: The photograph shows socket type.

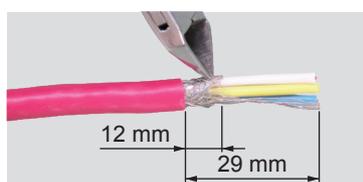


Assembly

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

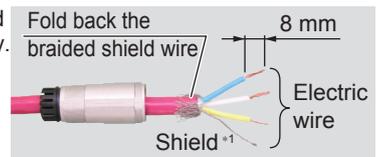


- 2 Strip off the cable sheath. Leave 29 mm of the electric wire and 12 mm of the braided shield wire.



Assembly

- 3 Fold back the braided shield wire to the cable temporarily. Strip 8 mm off the single wires. If necessary, crimp suitable ferrules to the end of each wire.



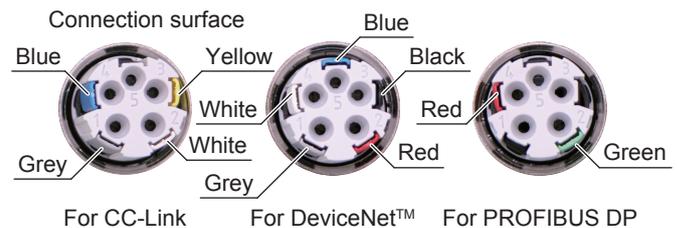
- Pin terminal ferrule (recommended) *1: CC-Link, DeviceNet™
AI 0,14-8 GY-1000 (Phoenix Contact No.3203011)
Cross sectional area of the cable 0.14 mm² (equivalent AWG26)
- AI 0,25-8 YE (Phoenix Contact No.3203037)
Cross sectional area of the cable 0.25 mm² (equivalent AWG24)
- AI 0,34-8 TQ (Phoenix Contact No.3203066)
Cross sectional area of the cable 0.34 mm² (equivalent AWG22)
- AI 0,5-8 WH (Phoenix Contact No.3200014)
Cross sectional area of the cable 0.5 mm² (equivalent AWG20)
- Tool for crimping the pin terminal ferrule (Exclusive)
CRIMPFOX CENTRUS 10S (Phoenix Contact No.1213154)

- 4 Connect the wire into Body I. Insert the wire into the connector. Open the lock lever outward and insert the wire until the conductor cannot be seen. When the wire is inserted, close the lock lever back to its original position.

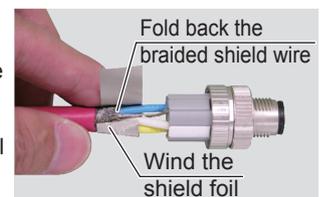


For CC-Link and DeviceNet™, insert the shield *1 into terminal No.1 (grey).

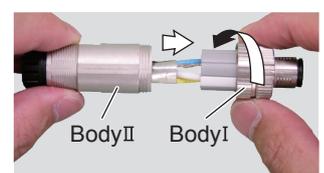
In case of the wire with a ferrule, insert directly. The color coding is previously printed on the connector according to the wire color. (Refer to the connection on the left side.)



- 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: 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

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

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