Assembly Instruction

Push-in type

SMC

Relative Model No.

● 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

PROFIBUS

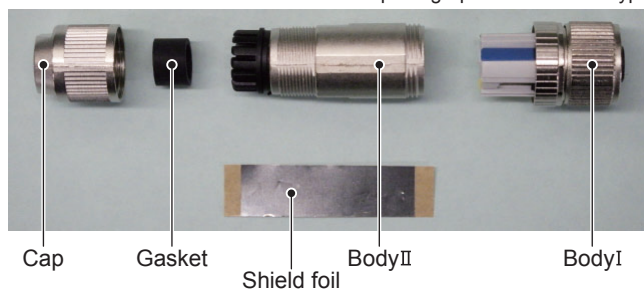| Terminal No.	Lock lever color	Wire color	Signal
1	–	–	–
2	Green	Green	A Line
3	–	–	–
4	Red	Red	B Line
5	–	–	–

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)
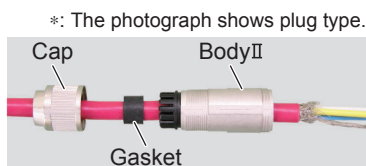
Product Construction

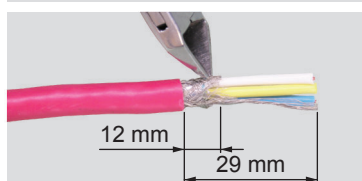Please check contents.　　　*: The photograph shows socket type.

Cap　　Gasket　　Body II　　Body I

Shield foil

Assembly

*: The photograph shows plug type.

1 First slide the Cap, Gasket and Body II over the cable.
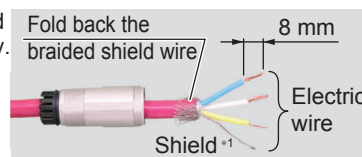

Cap　Body II　Gasket

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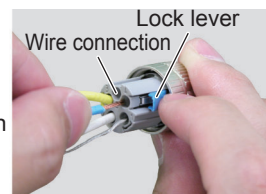

12 mm

29 mm

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.
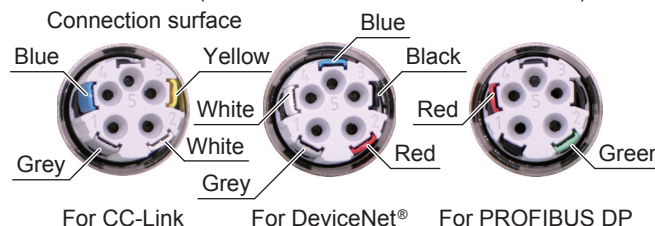

Fold back the braided shield wire　　8 mm

Electric wire

Shield *1

*1: CC-Link, DeviceNet®

· Pin terminal ferrule (recommended)
  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. Gently pull the lock lever. Do not pull further when the lock lever reaches the stop position. *2 Insert the wire in the wire connection until the conductor cannot be seen.
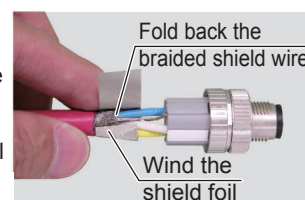
*2: Excessive force will damage the lock lever.
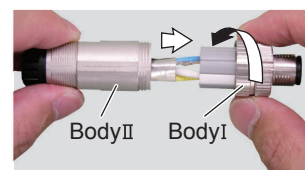

Lock lever
Wire connection

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.)
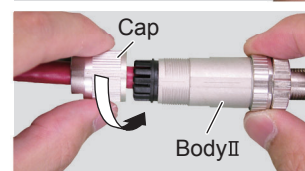
Connection surface

Blue　Yellow　Blue　Black
White　Red
Grey　White　Green
Grey　Red

For CC-Link　For DeviceNet®　For PROFIBUS DP

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.)

Fold back the braided shield wire

Wind the shield foil

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

Body II　Body I

7 Mount cap to the body II.
Recommended torque: 3.0 N·m

Cap

Body II

Make sure the connector has no loosing.

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.
· When pulling the lock lever, it may get damaged when tools such as a flat blade screwdriver are used due to the application of excessive force.

SMC Corporation

URL https://www.smcworld.com