M12 Circular connector FC Plug PRO self-made up (B-coded)

Application / Installation

PROFIBUS machine installation without control cabinets in protection type IP65/67 demand compact sturdy M12 plug connectors. The PROFIBUS Fast Connect M12 Plugs (B-coded) ensure simple, fast and reliable installation due to their integral insulation-piercing design.
The 4-pole design with integral large surface area shield contacting via the metal housing means full compliance with the current specification of the PNO (PROFIBUS user organisation) installation guidelines.

The PROFIBUS Fast Connect Stripping Tool to prepare the end of the cable (strip the sheath and shield on the cable in one operation) ensures easy handling and fast, error-free contacting of the cable on the plug connectors. Since the plug connectors consist of just two housing parts, they can be assembled easily even in difficult conditions. The side handling surfaces allow the use of an open-ended spanner and make screwing the plug halves easy during the finishing operation.

Bus connection

- M12 (B-coded)
- Fast Connect
- Axial outgoing cable
- Transfer speed: 9.6 kbps to 12 Mbps

Electrical values

- Rated current / Contact: 4 A (IEC 60512- 3)
- Rated voltage / Contact: 30 VAC, 36 VDC (VDC 0110)

Ambient conditions

- Operating temperature: -40°C to +85°C
- Protection type: IP65/67 when connected and screwed   (DIN VDE 0470)

Constructive design

- Weight: Straight: 40 g
- Housing: Metal
- Dimensions (WxHxD):   19 x 19 x 73 mm
- Contact surface: Brass alloy (CuSnZn)
- Connection cross-section: max. 0.75 mm²

CE mark / UL approval

Plugs are passive components and are not subject to the CE mark system pursuant to EU Directives.

The M12 round plug connector FC Plug PRO (B-coded) is a coordinated system of PROFIBUS Fast Connect plug connectors and an extensive range of Fast Connect cables with the appropriate UL approvals.

M12 round plug connector FC Plug PRO (B-coded)

**Sample application (side view)**
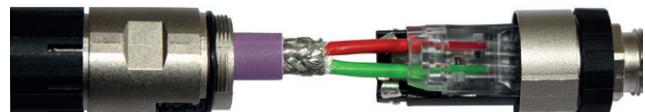
Sample application (view from above)

M12 x 1 pin

M12 x 1 socket
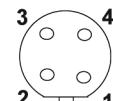
Pin 1: Not used
Pin 2: A cable (green)
Pin 3: Not used
Pin 4: B cable (red)

Pin assignment

Ordering details	Art. No.
M12 round plug connector FC Plug PRO (B-coded) connector	110050024
M12 round plug connector FC Plug PRO (B-coded) socket	110050025