

Circular connector M12 (A-coded)

Function

The convertible plug-and-socket connector (straight, angled) is used for connecting the cable to the CAN users in extremely rough conditions.

Application instruction

The convertible plug-and-socket M12x1 connector allows for an easy on-site installation. The plug-and-socket connectors have a brass casing that can be shielded.

Bus connection

- M12 (A-coded)
- Screw terminal connection
- Axial or 90° cable outlet

Electrical parameters

- 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
- Industrial Protection: IP67 when plugged and screwed (EN 60529)

Design

- Weight: straight: 60 g
angled: 68 g
- Casing: brass (CuZn), surface nickel-plated
- Contact surface: brass alloy (CuSnZn)
- Conductor size: max. 0,75 mm²

CE mark

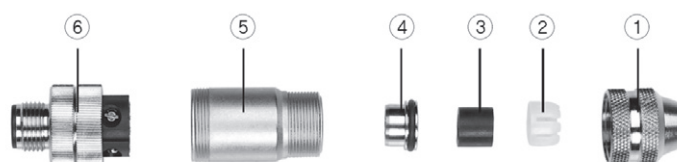
Plugs are passive components and are not subject to the CE mark system pursuant to EU Directives.



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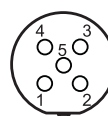


Connector angled

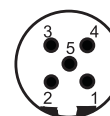


Exploded drawing

M12x1 socket



M12x1 dowel



- Pin 1: Shield
 Pin 2: V+
 Pin 3: V-
 Pin 4: CAN High
 Pin 5: CAN Low

Pin assignment

Ordering details	Art. No.
Circular connector M12 - connector straight	119030002
Circular connector M12 - socket straight	119030003
Circular connector M12 - connector angled	119030004
Circular connector M12 - socket angled	119030005