



Special Documentation

M12 socket

Accessories for devices with M12 plug

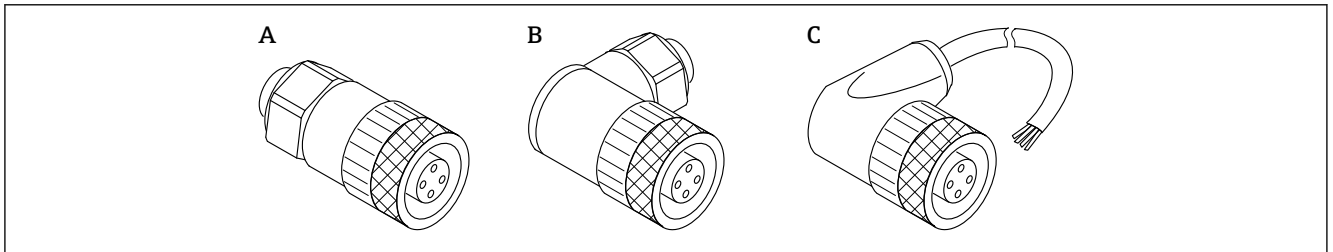
Intended use

These M12 sockets are suitable for all devices that are equipped with M12 plugs.

Overview of M12 sockets

Different versions of the M12 sockets are available:

- With a screw lock and termination via screw terminals, straight or angled
- With cable, angled



- A Order number: 71638191; straight, cable side, degree of protection: IP65/67/68/69K
A Order number: 52006263; straight, cable side, degree of protection: IP67
B Order number: 71638253; angled, 90 deg., cable side, degree of protection: IP65/67/68/69K
B Order number: 71114212; angled, 90 deg., cable side, degree of protection: IP67
C Order number: 52024216; angled, 90 deg., 5 m (16 ft) cable, degree of protection: IP67/69K
C Order number: 52010285; angled, 100 deg., 5 m (16 ft) cable, degree of protection: IP68/69

M12 socket materials

Points of contact

- Material: CuZn/Au
- Order number: 71638191; 52006263; 71638253; 71114212; 52024216; 52010285

Housing

- Material: Polyamide (PA)
- Order number: 71638191; 71638253
- Material: PVC
- Order number: 52024216
- Material: PBT
- Order number: 52006263; 71114212
- Material: TPU
- Order number: 52010285

Union nut

- Material: Stainless steel 316L
- Order number: 71638191; 71638253; 52024216
- Material: nickel-plated die-cast zinc
- Order number: 52006263; 71114212; 52010285


Cable sheath

- Material: PVC
- Order number: 52024216; 52010285

Personnel authorized to carry out repairs


Technical staff must comply with the following requirements for repair, mounting, electrical installation and commissioning of the devices:

- Be trained in instrument safety.
- Be familiar with the individual operating conditions of the devices.
- In the case of Ex-certified devices, they must also be trained in explosion protection.

 Technical staff carrying out work are responsible for ensuring that the work is carried out safely and to the required quality standard. They must also guarantee the safety of the device following repair.

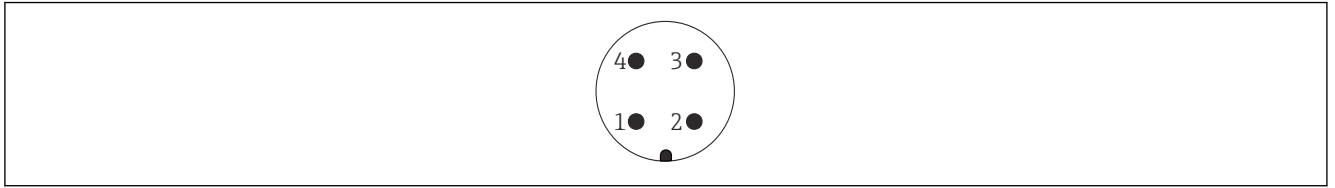
Safety instructions

- Comply with national regulations regarding mounting, electrical installation, commissioning, maintenance and repair.
- For devices intended for use in hazardous locations, please observe the instructions in the Ex documentation (XA).
- Observe the Operating Instructions for the device.

 If you have any questions, please contact the [Endress+Hauser Serviceorganisation](#) responsible.

M12 socket with screw lock

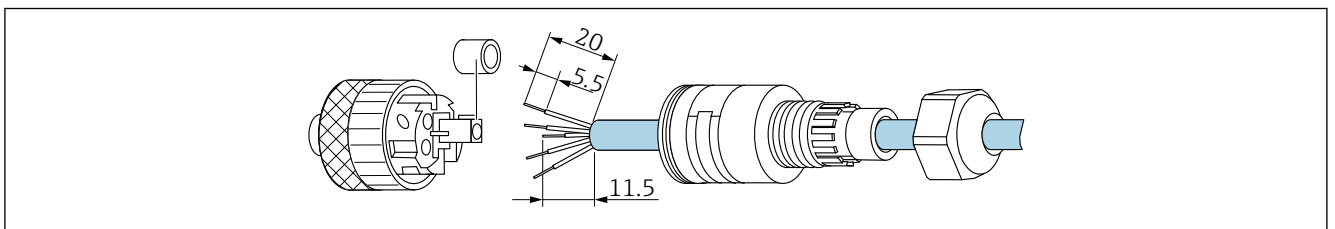
Pin assignment



A0011175

Pin 1: Signal +
 Pin 2: Not used
 Pin 3: Signal -
 Pin 4: Ground

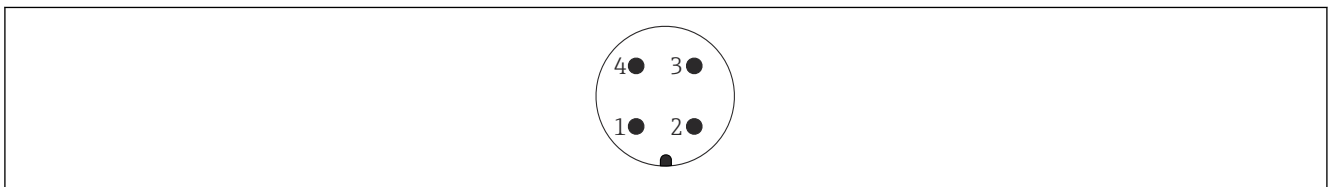
Terminating the M12 socket



A0042366

M12 socket with cable

Pin assignment



A0011175

Pin 1: (BN) brown
 Pin 2: (WH) white
 Pin 3: (BU) blue
 Pin 4: (BK) black
