



Shielded M12 Female Connector with Straight Outlet and Copper Alloy Contacts for Harsh Environments

Basic Information

- Brand Name: KRONZ
- Certification: CE
- Model Number: /
- Minimum Order Quantity: 5
- Price: Negotiable
- Packaging Details: Polybag Packing
- Delivery Time: 5-8 Working Days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 Pieces Per Month



Product Specification

- Operating Current: Max. 4A
- Outlet: Straight
- Voltage: 60V
- Wire Color: 1=BN 2=WH 3=BU 4=BK
- Contact Material: Copper Alloy
- Description: Male Flange Connectors
- Rated Current: 2A/1.5A/0.5A
- Description: M12 Angled Connector
- Highlight: **Shielded M12 female connector,
M12 connector with straight outlet,
Copper alloy M12 connector**

Shield Yes M12 Female Connector S CODE Circular Connector

Product Overview

The M12 Connectors are essential components in industrial automation and control systems, providing reliable connectivity solutions. Designed as M12 3-pin connectors, they deliver robust performance in demanding environments with their compact size and high durability. These connectors are widely used for sensor and actuator connections, ensuring secure data and power transmission.

Key Features

- Product Name: M12 Connectors
- Voltage: 60V
- Operating Voltage: Up To 250V
- Contact Material: Copper Alloy
- Contact Plating: Gold or Nickel Plated
- Connection Type: Screw Connection
- Includes M12 Connector with Pre-molded Cable
- Features M12 Plug Connector design
- Connector 3-pin configuration for reliable connectivity
- Mating cycles: More than 100 cycles
- Outlet design: Straight for easy installation
- Wire color coding: 1=BN (brown), 2=WH (white), 3=BU (blue), 4=BK (black)

Technical Specifications

Parameter	Specification
Contact Material	Copper Alloy
Voltage	60V
Contact Plating	Gold or Nickel Plated
Operating Current	Max. 4A
Description	Male Flange Connectors, Connector 3 pin, Assembly connector, M12 Straight Cable Connector
Outlet	Straight
Contact Method	Threaded Connection
Shield	Yes
Operating Voltage	Up To 250V
Wire Color	1=BN, 2=WH, 3=BU, 4=BK

Applications

KRONZ M12 Connectors are versatile and reliable pre-assembled cable connectors designed for demanding industrial and automation applications. CE certified, these circular connectors ensure exceptional performance and durability in diverse environments including factory automation, robotics, and sensor connections.

Primary applications include industrial automation systems for connecting sensors, actuators, and control devices where stable, interference-free signal transmission is critical. The shielded design and gold/nickel plated contacts provide excellent protection against electromagnetic interference, ensuring consistent communication and minimal downtime.

These connectors are also extensively used in transportation systems including railways and automotive electronics, where vibration resistance and environmental sealing are crucial. Their robust design and CE certification make them ideal for harsh conditions, ensuring long-term operational stability.



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