



## M12 Circular Connector 4A 3 Pin IEC 61076-2-101 IP67 Straight Cable for Sensors

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M1203F-10/P00K
- Minimum Order Quantity: 50
- 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

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#### Product Specification

- Rated Current: 4A
- Cable Outlet: Straight
- Standard: IEC 61076-2-101
- Pin: 3
- Coding: A
- Degree Of Protection: IP67
- Contact Nut Material: Brass, Nickle-plated
- Contact Carrier Material: PA, Black
- Highlight: circular m12 connector, circular m12 female connector, ip67 m12 connector

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## Product Description

### M12 Circular Connector 4A 3 Pin IEC 61076-2-101 IP67 Straight Cable for Sensors

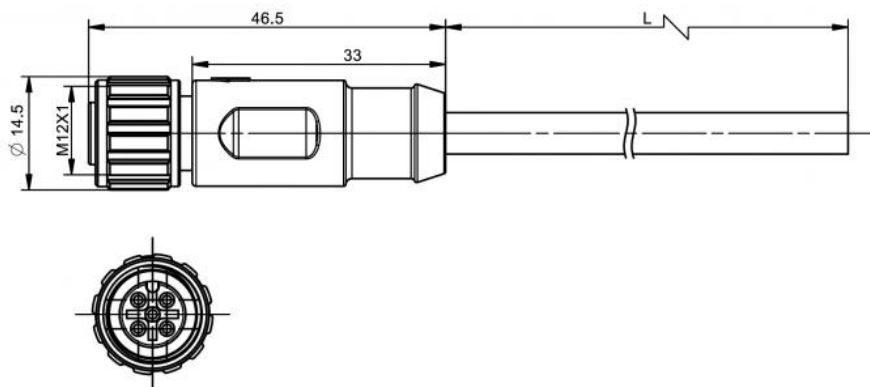
#### Product Description

The M12 Connector is rated for a current of 4A, making it suitable for a wide range of applications. It is available in several cable lengths, including 1M, 2M, 3M, 5M, 10M, and 15M, allowing for flexibility in installation.

The M12 Connector is coded with an "A" coding, which ensures proper mating and prevents cross-mating with other connectors. This coding system is commonly used in industrial applications, where multiple connectors may be in use.

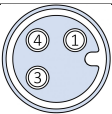
The M12 Connector is designed to operate in a wide range of temperatures, from -25 to +85. This makes it suitable for use in both indoor and outdoor environments. Additionally, the connector has a pollution degree of 3, which means it can withstand moderate levels of pollution and contamination.

The M12 Connector is easy to install and has a robust design that ensures a secure connection. It is commonly used in applications such as machinery, robotics, and factory automation. With its high level of protection and reliability, the M12 Connector is an excellent choice for any industrial application that requires a circular connector.



#### Technical Data

Standard	IEC 61076-2-101
Contact nut material	Brass, nickle-plated
Contact surface material	Brass, gold-plated
Contact carrier material	PA, black
Housing material	TPU, black
Seal material	FPM/FKM
Insulation resistance	$\geq 100\text{M}\Omega$
Contact resistance	$\leq 5\text{m}\Omega$
Pollution degree	3
Ambient temperature	-25~+85
Mating cycles	>100
Degree of protection	IP67

Pin assignment	Wire color	Coding	Rated current	Voltage	Wire gauge	Cable outlet	Length	Model No.
	1=BN 3=BU 4=BK	A	4A	250V	3x0.34 (3x22AWG) PVC, black	Straight	10M	M1203F-10/P00K

#### Applications

The M12 Connector is a critical component in the manufacturing process as it helps to ensure the smooth and efficient operation of industrial equipment. The connector is made of high-quality materials, which include Brass and Gold-plated contact surfaces and a Brass and Nickle-plated contact nut. The housing material is made of TPU, which is a durable and robust material that provides excellent resistance to abrasion and impact.

The M12 Connector has a degree of protection of IP67, which means that it is fully protected against dust and can withstand immersion in water up to a depth of 1 meter. This makes it suitable for use in harsh environments such as outdoor and marine environments, where exposure to water and dust is common.

The contact resistance of the M12 Connector is  $\leq 5\text{m}\Omega$ , which means that it has excellent electrical conductivity, making it suitable for use in applications that require high-speed data transfer and low signal loss.

The M12 Connector is also available in an angled cable connector version, which is suitable for use in applications where space is limited, and a straight connector cannot be used. The angled cable connector version allows for more flexibility in the positioning of the cable, making it easier to install and use.

In summary, the KRONZ M12 Connector Model Number M1203F-1/P00K is a versatile and durable product that is suitable for use in a wide range of applications. Its high-quality materials, degree of protection, and low contact resistance make it an ideal choice for use in harsh environments, while the angled cable connector version provides flexibility in cable positioning.

## Support and Services

Our M12 Connector product comes with comprehensive technical support and services to ensure optimal performance and reliability. Our team of experts is available to assist with any technical questions or issues that may arise during installation, operation, or maintenance of the product. Additionally, we offer repair services and replacement parts for any damaged or malfunctioning components. Our goal is to provide our customers with the highest level of support and satisfaction throughout the entire product lifecycle.

### **KRONZ** Kronz (guangzhou) Electronics Co., Ltd.



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