



## FPM/FKM Sealed TPU Black M8 Connector with IEC 61076-2-104 Certification

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M0803F-1/P00K
- Minimum Order Quantity: 50
- Price: TBC
- 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

- Seal Material: FPM/FKM
- Housing Material: TPU, Black
- Standard: IEC 61076-2-104
- Contact Resistance:  $\leq 5\text{m}\Omega$
- Contact Nut Material: Brass, Nickle-plated
- Insulation Resistance:  $\geq 100\text{M}\Omega$
- Ambient Temperature:  $-25\sim+85$
- Contact Surface Material: Brass, Gold-plated
- Highlight: **iec 61076-2-104 m8 connector,**  
**iec 61076-2-104 m8 male connector**

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## Product Description

### M8 Connector with Customized Cable Seal Material and Insulation Resistance $\geq 100\text{M}\Omega$

#### Product Description

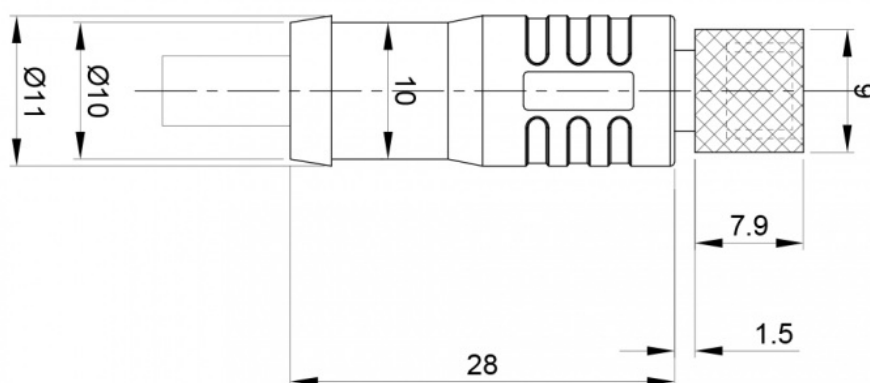
One of the key features of the M8 Connector is its low contact resistance, which ensures that the connection is stable and reliable. With a contact resistance of  $\leq 5\text{m}\Omega$ , this connector is perfect for use in applications where precise readings and measurements are required.

The M8 Connector is also designed to provide a high degree of protection against the elements, with an IP67 rating that ensures that it is fully protected against dust and water ingress. This makes it ideal for use in harsh outdoor environments, as well as indoor applications where moisture and dust may be present.

The seal material used in the M8 Connector is FPM/FKM, which provides excellent resistance to a wide range of chemicals, including oils, fuels, and acids. This ensures that the connector is able to withstand exposure to a wide range of substances and remains fully functional and reliable over time.

The M8 Connector is manufactured to the IEC 61076-2-104 standard, which ensures that it meets the highest standards of quality and reliability. This standard is widely recognized in the industry and ensures that the connector is fully compatible with a wide range of other products and systems.

Overall, the M8 Connector is a high-quality threaded connector that is designed to provide reliable and secure connections in a wide range of applications. With its low contact resistance, high degree of protection, and durable construction, it is an excellent choice for use in sensor applications where precise and reliable measurements are required.



#### Applications

The housing material for the M8 Connector is TPU, black in color. The connector is able to withstand an ambient temperature range of  $-25\sim+85$  and has a pollution degree rating of 3. The contact surface material for the connector is brass, gold-plated, ensuring high conductivity and durability. The seal material is made of FPM/FKM, making it resistant to oil, acid, and other chemicals, making it suitable for use in harsh environments.

The M8 Connector is suitable for a wide range of applications and scenarios, including but not limited to:

**Automation Systems:** The M8 Connector is ideal for use in automation systems. Due to its compact size, it can be used to connect sensors and other devices in tight spaces, while the locking mechanism ensures that the connection is secure.

**Robotics:** The M8 Connector can be used in robotics applications, where it can be used to connect motors, sensors, and other components. Its resistance to harsh environments makes it suitable for use in a variety of industrial settings.

**Industrial Networking:** The M8 Connector is ideal for use in industrial networking applications, where it can be used to connect devices such as cameras, sensors, and other equipment. Its compact size and secure locking mechanism make it suitable for use in a variety of environments.

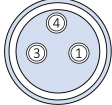
**Medical Devices:** The M8 Connector is suitable for use in medical devices, where it can be used to connect sensors and other components. Its resistance to harsh environments and chemicals makes it ideal for use in a variety of medical settings.

**Renewable Energy:** The M8 Connector is ideal for use in renewable energy applications, where it can be used to connect devices such as solar panels and wind turbines. Its resistance to harsh environments makes it suitable for use in a variety of settings.

In conclusion, the KRONZ M8 Connector is a versatile and durable circular connector that is ideal for use in a variety of applications and scenarios. Its compact size, secure locking mechanism, and resistance to harsh environments make it suitable for use in a wide range of industries, including automation systems, robotics, industrial networking, medical devices, and renewable energy.

#### Technical Data

Standard	IEC 61076-2-104
Contact nut material	Brass, nickel-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	$-25\sim+85$
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	3A	60V	3x0.25 (3x24AWG) PVC,black	Straight	1M	M0803F-1/P00K

### Customization

#### KRONZ M8 Connector - M0803F-1/P00K

KRONZ provides customization services for our M8 Connector product. Our Circular Connector is suitable for Sensor Connector and Locking Connector applications. Our M8 Connector is manufactured in Guangdong, China and is certified with CE. The minimum order quantity is 50 pieces and the price is to be confirmed. Packaging details include polybag packing and delivery time is estimated to be 5-8 working days. Payment terms include T/T, Western Union, and MoneyGram. Our supply ability is 100000 pieces per month. The M8 Connector is rated with pollution degree 3 and has mating cycles of over 100. The seal material is made with FPM/FKM and has a contact resistance of  $\leq 5\text{m}\Omega$ . Contact nut material is made with brass, nickel-plated.

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