



## M12 Panel Mount Male Connector with 5-Pin A-Code, Front Fastened and Solder Cup Termination for Industrial Automation

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: F1205M-SF/M16C
- Minimum Order Quantity: 10 pieces
- Price: Negotiable
- Packaging Details: Paper box packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



### Product Specification

- Execution Standard: IEC 61076-2-101
- Connecting Nut Material: Alloy, Copper-Zinc, Nickel Plating
- Contact Material: Alloy, Copper-Zinc, Gold Plating
- Contact Carrier Material: Plastic, PA, Black
- Clamping Base Material: Alloy, Copper-Zinc, Nickel Plating
- Sealing Material: FPM/FKM

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## Product Description

### M12 Panel Mount Connector, Male, A-Code, 5-Pin, Front Fastened, Solder Cup - F1205M-SF/M16C

#### Product Overview

The KRONZ F1205M-SF is an M12 panel mount connector featuring a male plug with 5 pins in A-code configuration. Designed for front fastening installation with M16 panel cutout, this connector offers solder cup termination for flexible wire connections. With IP67 protection and compliance with IEC 61076-2-101 standard, it provides robust performance for industrial automation, sensors, and control applications.

#### Key Features

- M12 panel mount male connector with A-code configuration
- 5-pin design for multi-signal applications
- Front fastened mounting for secure installation
- Solder cup termination for reliable wire connections
- M16 panel cutout compatible
- Rated 4A current and 60V voltage capacity
- IP67 protection against dust and water immersion
- Gold-plated copper-zinc alloy contacts for excellent conductivity
- FPM/FKM seal material for chemical and temperature resistance
- Pollution degree 3 rated for industrial environments
- Operating temperature: -25°C to +85°C
- > 100 mating cycles mechanical life
- ≥100MΩ insulation resistance
- ≤5mΩ contact resistance
- Nickel-plated zinc alloy nut and clamping body
- Black PA contact carrier for visual identification

#### Technical Specifications

Specification	Value
Product Model	F1205M-SF/M16C
Connector Type	M12 Panel Mount
Gender	Male (Plug)
Coding	A-Code
Number of Pins	5
Pin Arrangement	4-1-5-3-2
Rated Current	4A
Rated Voltage	60V
Mounting Type	Front Fastened
Connection Type	Solder Cup
Panel Cutout	M16C
Standard	IEC 61076-2-101
Protection Class	IP67
Insulation Resistance	≥100MΩ
Contact Resistance	≤5mΩ
Pollution Degree	3
Operating Temperature	-25°C ~ +85°C

Mechanical Life	>100 Mating Cycles
Nut Material	Alloy, copper-zinc, nickel-plated
Contact Material	Alloy, copper-zinc, gold-plated
Contact Carrier	Plastic, PA, black
Clamping Body	Alloy, copper-zinc, nickel-plated
Seal Material	FPM/FKM

### Pin Configuration

Pin	Function
1	Pin 1
2	Pin 2
3	Pin 3
4	Pin 4
5	Pin 5

### Application Scenarios

- Industrial automation and control systems
- PLC and DCS system connections
- Sensor and instrumentation interfaces
- Fieldbus communication (DeviceNet, CANopen)
- Machine vision and embedded systems
- Robotics and automated machinery
- Process control and monitoring
- Factory automation equipment

### About KRONZ

KRONZ (Guangzhou) Electronics Co., Ltd. is a leading manufacturer of industrial circular connectors, specializing in M12, M8, and specialty connector solutions. Located in Guangzhou, China, KRONZ serves global markets with products designed for reliability in harsh industrial environments. Our connectors meet international standards including IEC 61076-2-101, providing consistent quality for automation, instrumentation, and control applications.

### Contact Us

# KRONZ

## ABOUT US

KRONZ is a manufacturing enterprise located in Zengcheng District, Guangzhou City. We focus on providing customers with high-efficiency industrial automation solutions and related industrial products. After many years of innovation and development, KRONZ has complete product processing equipment and a professional team who are proficient in various automation technologies.

In order to improve the quality of products and production efficiency, we continue to introduce advanced production equipment and technology, strengthen investment in research and development. At present, our main products include Industrial Connectors, Inductive Sensors, Capacitive Sensors, Photoelectric Sensors, Ultrasonic Sensors, Industrial power supplies, Industrial fieldbus, RFID recognition systems, Industrial Ethernet Switches

We not only produce the orders of standard products, but also have ability to make customize production based on customer design drawings or samples.

Adhering to the principle of mutual benefit, we provide our customers with competitive prices, and perfect after-sales service. KRONZ's products have been sold in multiple countries, have won the trust and praise of customers. KRONZ expect to collaborate with you.

## OUR FACTORY



# Logistics and Payment



1. Samples and small orders can be shipped with fast shipment method, by air and by express. Bulk order will ship by sea, by air, by train, by truck etc.
2. We also can send the goods to your agent warehouse.
3. If you need any more shipping method, please feel free to contact with us.



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