



## M12 Panel Mount Female Connector with Square Flange, IP67 Protection, Gold-Plated Contacts, IEC 61076-2-101 Standard

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: F1203F-SFLC/F1204F-SFLC/F1205F-SFLC/F1208F-SFLC/F1212F-SFLC
- 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

- Standard: IEC 61076-2-101
- Connecting Nut Material: Alloy, Copper-zinc, Nickel-plated
- Protection Rating: IP67
- Contact Material: Alloy, Copper-zinc, Gold-plated
- Sealing Material: FPM/FKM
- Contact Carrier Material: Plastic, PA, Black
- Clamping Base Material: Alloy, Copper-zinc, Nickel-plated
- Operating Temperature: -25~+85

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## Product Description

### M12 Panel Mount Connector, Female, Square Flange, A-Code, Solder Cup

The KRONZ M12 panel mount connector features a square flange design for secure, four-point mounting in industrial equipment. This female connector comes with solder cup terminations for flexible wiring assembly. The robust metal flange with brushed finish provides reliable mechanical stability and IP67 protection against dust and moisture ingress.

#### Key Features

- Square flange design with four corner mounting holes for superior installation stability
- Front-fastened panel mount for easy front-panel installation
- Gold-plated copper-zinc alloy contacts ensure excellent conductivity and corrosion resistance
- Solder cup termination accepts flexible wiring for custom assemblies
- IP67 protection rating for harsh industrial environments
- Operating temperature range: -25°C to +85°C
- IEC 61076-2-101 standard compliance
- Pollution degree 3 rated for industrial applications
- 100 mating cycles mechanical durability
- FPM/FKM seal material provides chemical resistance
- Nickel-plated alloy housing for durability
- A-code configuration for sensor and actuator connections

#### Product Models

Model	Coding	Pins	Rated Current	Rated Voltage
F1203F-SFLC	A-Code	3	4A	250V
F1204F-SFLC	A-Code	4	4A	250V
F1205F-SFLC	A-Code	5	4A	60V
F1208F-SFLC	A-Code	8	2A	30V
F1212F-SFLC	A-Code	12	1.5A	30V

#### Technical Specifications

Specification	Value
Standard	IEC 61076-2-101
Coding	A-Code
Gender	Female
Connection Type	Solder Cup
Mounting	Front Fastened (Panel Mount)
Flange Type	Square Flange
Angle	Straight
Rated Current	1.5A / 2A / 4A (model dependent)
Rated Voltage	30V / 60V / 250V (model dependent)
Insulation Resistance	≥ 100MΩ
Contact Resistance	≤ 5mΩ
Pollution Degree	3

Specification	Value
Operating Temperature	-25°C to +85°C
Mechanical Life	>100 mating cycles
Protection Degree	IP67
Nut Material	Alloy, Copper-Zinc, Nickel-Plated
Contact Material	Alloy, Copper-Zinc, Gold-Plated
Contact Carrier Material	PA, Black
Clamping Body Material	Alloy, Copper-Zinc, Nickel-Plated
Seal Material	FPM/FKM

### Pin Configuration

*Note: Actual pin assignments should be configured according to specific application requirements.*

#### 3-Pin Model (F1203F-SFLC)

Pin	Function
1	--
2	--
3	--
4	(Earth/Key)

#### 4-Pin Model (F1204F-SFLC)

Pin	Function
1	--
2	--
3	--
4	--

#### 5-Pin Model (F1205F-SFLC)

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

#### 8-Pin Model (F1208F-SFLC)

Pin	Function
1	--
2	--

Pin	Function
3	--
4	--
5	--
6	--
7	--
8	--

#### 12-Pin Model (F1212F-SFLC)

Pin	Function
1	--
2	--
3	--
4	--
5	--
6	--
7	--
8	--
9	--
10	--
11	--
12	--

#### Application Scenarios

- Industrial automation and control systems
- Sensor connections in manufacturing equipment
- Factory automation and robotics
- Process control instrumentation
- Harsh environment industrial enclosures
- Equipment panel mounting applications
- Transportation and logistics systems
- Machine building and mechanical engineering

#### About KRONZ

KRONZ (Guangzhou) Electronics Co., Ltd. is a professional manufacturer specializing in industrial circular connectors. Our products serve automation, instrumentation, and industrial control applications worldwide.

# 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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