

# M12 Female Panel Mount, Solder Type, Rear Fastened

M12 Circular Connector

Download date : 2025-12-06



Connector Series : M12  
Gender : Female  
Coding : A,B,C,D  
Locking Type : Fix Screw  
Mounting Type : Front Fastened  
Part No : M12-X\*\*-ST0-F02-BH\*  
X:A,B,C,D Coding  
\*\*:03,04,05... ( Pin )  
\*:1=M16X1.5 2=PG9,...



For reference only!version1.0

## Technical Data

|                       |                    |
|-----------------------|--------------------|
| Standard              | IEC61076-2-101     |
| Ambient Temperatur    | -40°C~+105°C       |
| Insulation Resistance | ≥100MΩ             |
| Contact Resistance    | ≤10mΩ              |
| IP Class              | IP67               |
| Mating Endurance      | >100 Mating Cycles |

## Material Data

|                      |                                     |
|----------------------|-------------------------------------|
| Connector Carriers   | PA                                  |
| Connector Contacts   | Copper Alloy With Gold Plated 铜镀金   |
| Connector Nut/Screw  | Copper Alloy With Nickel Plated 铜镀镍 |
| Seal/O-Ring          | FKM 氟橡胶                             |
| Shielding            | Unshielded 非屏蔽                      |
| Contacts Termination | Solder Type 焊接式                     |

## Electrical Data & Mechanical Date

|              |         |       |         |           |
|--------------|---------|-------|---------|-----------|
| Contacts Pin | 3/4Pins | 5Pins | 6/8Pins | 12/17Pins |
|--------------|---------|-------|---------|-----------|

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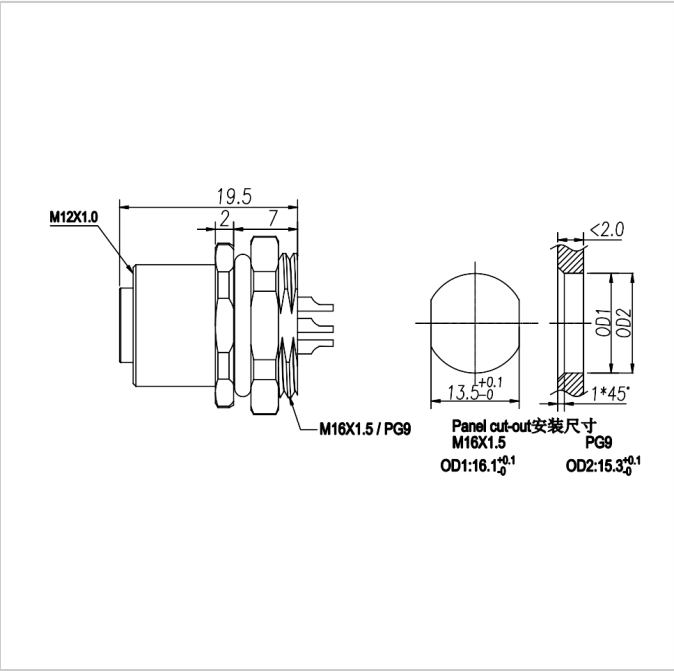
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|                                |         |                                    |         |         |
|--------------------------------|---------|------------------------------------|---------|---------|
| Rated Current                  | 4A      | 4/2A                               | 2A      | 1.5A    |
| Voltage AC/DC                  | 250V    | 60V                                | 30V     | 30V     |
| Wire Range AWG/mm <sup>2</sup> | 22/0.34 | 22 , 24/0.34<br>, 0.25(C-<br>code) | 24/0.25 | 26/0.14 |

Dimensions



Specification Selection Table

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| Contacts<br>Pin数 | Available Coding 防插错编码 |          |          |          | Rated Current<br>额定电流 | Voltage 电压 |      | Wire Range 接线范围      |                          | Part NO. 产品编号                                                                            |
|------------------|------------------------|----------|----------|----------|-----------------------|------------|------|----------------------|--------------------------|------------------------------------------------------------------------------------------|
|                  | A-Coding               | B-Coding | C-Coding | D-Coding |                       | AC         | DC   | AWG                  | mm <sup>2</sup>          |                                                                                          |
| 03Pins           |                        |          | <br>2+PE |          | 4A                    | 250V       | 250V | 22                   | 0.34                     | M12-A03-ST0-F02-BH*<br>M12-B03-ST0-F02-BH*<br>M12-C03-ST0-F02-BH*                        |
| 04Pins           |                        |          | <br>3+PE |          | 4A                    | 250V       | 250V | 22                   | 0.34                     | M12-A04-ST0-F02-BH*<br>M12-B04-ST0-F02-BH*<br>M12-C04-ST0-F02-BH*<br>M12-D04-ST0-F02-BH* |
| 05Pins           |                        |          | <br>4+PE |          | 4A<br>2A              | 60V        | 60V  | 22<br>24<br>(C-code) | 0.34<br>0.25<br>(C-code) | M12-A05-ST0-F02-BH*<br>M12-B05-ST0-F02-BH*<br>M12-C05-ST0-F02-BH*                        |
| 06Pins           |                        |          | <br>5+PE |          | 2A                    | 30V        | 30V  | 24                   | 0.25                     | M12-C06-ST0-F02-BH*                                                                      |
| 08Pins           |                        |          |          |          | 2A                    | 30V        | 30V  | 24                   | 0.25                     | M12-A08-ST0-F02-BH*                                                                      |
| 12Pins           |                        |          |          |          | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | M12-A12-ST0-F02-BH*                                                                      |
| 17Pins           |                        |          |          |          | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | M12-A17-ST0-F02-BH*                                                                      |