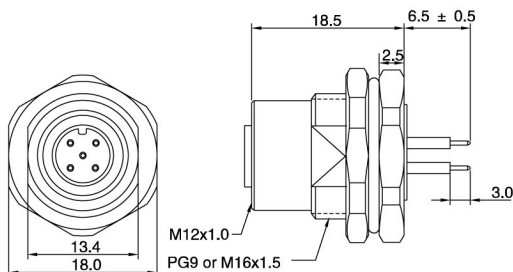




## M12 Female Panel Mount, PCB Type, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FB\*FF\*\*ST-X

\* refers to coding type  
\*\* refers to pins number  
X refers to Chassis-side thread size



### General information



|                      |                          |
|----------------------|--------------------------|
| Standard:            | IEC 61076-2-101          |
| Ambient temperature: | -20°C ~ +90°C            |
| Connector insert:    | PA+GF                    |
| Connector contacts:  | Brass with gold plated   |
| Connector nut/screw: | Brass with nickel plated |
| Seal / O-ring:       | Epoxy resin / FKM        |

|                        |                          |
|------------------------|--------------------------|
| Insulation resistance: | ≥ 100MΩ                  |
| Contact resistance :   | ≤ 5mΩ                    |
| Shielding:             | Unavailable              |
| IP rating:             | IP68 in locked condition |
| Panel cut-out:         | Refer to page 287        |
| PCB layout:            | Refer to page 286        |
| Mating endurance:      | >500 cycles              |

### Electrical data & Mechanical data

| Contacts | Available Coding |   |   |   | Contacts termination | Rated current    | Voltage |      | Part No.   |
|----------|------------------|---|---|---|----------------------|------------------|---------|------|--|
|          | A                | B | C | D |                      |                  | A/C     | D/C  |  |
| 03 pins  |                  |   |   |   | PCB version          | 4A               | 250V    | 250V | MB12FBAFF03ST-X<br>MB12FBBFF03ST-X<br>MB12FBCFF03ST-X                    |
| 04 pins  |                  |   |   |   | PCB version          | 4A               | 250V    | 250V | MB12FBAFF04ST-X<br>MB12FBBFF04ST-X<br>MB12FBCFF04ST-X<br>MB12FBDFF04ST-X |
| 05 pins  |                  |   |   |   | PCB version          | 4A<br>2A(C-code) | 60V     | 60V  | MB12FBAFF05ST-X<br>MB12FBBFF05ST-X<br>MB12FBCFF05ST-X                    |
| 06 pins  |                  |   |   |   | PCB version          | 2A               | 30V     | 30V  | MB12FBCFF06ST-X  |
| 08 pins  |                  |   |   |   | PCB version          | 2A               | 30V     | 30V  | MB12FBAFF08ST-X  |
| 12 pins  |                  |   |   |   | PCB version          | 1.5A             | 30V     | 30V  | MB12FBAFF12ST-X  |
| 17 pins  |                  |   |   |   | PCB version          | 1.5A             | 30V     | 30V  | MB12FBAFF17ST-X  |

Note: X refers to Chassis-side thread size

### Remarks

- Please refer to Page 96 for products' part number encoding rule.