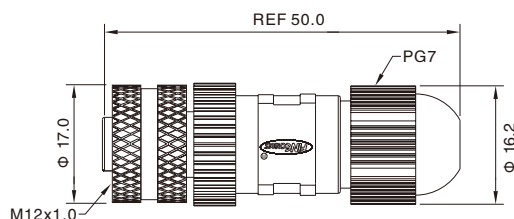


## M12 Female Field Wirable Assembly, Straight, Solder

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FA\*FF\*\*ST

\* refers to coding type  
\*\* refers to pins number



### General information

|                      |                          |
|----------------------|--------------------------|
| Standard:            | IEC 61076-2-101          |
| Ambient temperature: | -25°C ~ +90°C            |
| Connector insert:    | TPU; PA                  |
| Connector contacts:  | Brass with gold plated   |
| Connector nut/screw: | Brass with nickel plated |
| Connector body:      | PA+GF                    |
| Seal / O-ring:       | FKM                      |

|                        |                          |
|------------------------|--------------------------|
| Insulation resistance: | ≥ 100MΩ                  |
| Contact resistance :   | ≤ 5mΩ                    |
| Shielding:             | Unavailable              |
| Suitable cable Dia:    | 4~5.5mm                  |
| IP rating:             | IP68 in locked condition |
| Mating endurance:      | >500 cycles              |

### Electrical data & Mechanical data

| Contacts | Available Coding |   |   |   | Contacts termination | Rated current     | Voltage |      | Wire gauge / size       |                       | Cable jacket          | Part No.   |
|----------|------------------|---|---|---|----------------------|-------------------|---------|------|-------------------------|-----------------------|-----------------------|--|
|          | A                | B | C | D |                      |                   | A/C     | D/C  | AWG                     | mm <sup>2</sup>       |                       |  |
| 03 pins  |                  |   |   |   | Solder version       | 4A                | 250V    | 250V | 22AWG                   | 0.34                  | PUR/PVC or customized | MB12FAAFF03ST<br>MB12FABFF03ST<br>MB12FACFF03ST                  |
| 04 pins  |                  |   |   |   | Solder version       | 4A                | 250V    | 250V | 22AWG                   | 0.34                  | PUR/PVC or customized | MB12FAAFF04ST<br>MB12FABFF04ST<br>MB12FACFF04ST<br>MB12FADFF04ST |
| 05 pins  |                  |   |   |   | Solder version       | 4A<br>2A (C-code) | 60V     | 60V  | 22AWG<br>24AWG (C-code) | 0.34<br>0.25 (C-code) | PUR/PVC or customized | MB12FAAFF05ST<br>MB12FABFF05ST<br>MB12FACFF05ST                  |
| 06 pins  |                  |   |   |   | Solder version       | 2A                | 30V     | 30V  | 24AWG                   | 0.25                  | PUR/PVC or customized | MB12FACFF05ST  |
| 08 pins  |                  |   |   |   | Solder version       | 2A                | 30V     | 30V  | 24AWG                   | 0.25                  | PUR/PVC or customized | MB12FAAFF05ST  |
| 12 pins  |                  |   |   |   | Solder version       | 1.5A              | 30V     | 30V  | 26AWG                   | 0.14                  | PUR/PVC or customized | MB12FAAFF05ST  |

### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please refer to Page 96 for products' part number encoding rule.