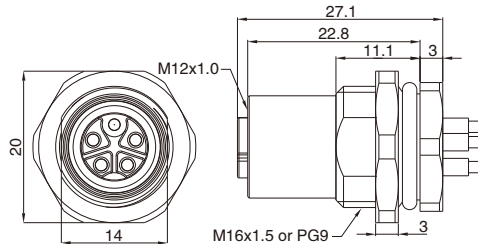


## M12 Female Panel, PCB Type, Front fastened, K-coding

- Connector series: M12
- Gender: Female
- Coding: K
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBKFF05ST-X

X refers to Chasis-side thread size



### General information



|                      |   |
|----------------------|---|
| Standard:            | IEC 61076-2-111   |
| Ambient temperature: | -40°C ~ +80°C(fixed installation)<br>-20°C ~ +80°C(flexible installation) |
| Connector insert:    | PA  |
| Connector contacts:  | Brass with gold plated  |
| Connector nut/screw: | Brass with nickel plated  |
| Seal / O-ring:       | FKM   |

|                        |                          |
|------------------------|--------------------------|
| Insulation resistance: | ≥ 100MΩ                  |
| Contact resistance :   | ≤ 8mΩ                    |
| Shielding:             | Unavailable              |
| IP rating:             | IP68 in locked condition |
| Mating endurance:      | >500 cycles              |

### Electrical data & Mechanical data

| Contacts              | Contacts termination | Rated current | Voltage |     | Wire gauge / size |                 | Part No.        |
|-----------------------|----------------------|---------------|---------|-----|-------------------|-----------------|-----------------|
|                       |                      |               | A/C     | D/C | AWG               | mm <sup>2</sup> |                 |
| 05 pins<br><br>(4+PE) | PCB                  | 16A           | 690V    | NC  | 14AWG             | 2.0             | MB12FBKFF05ST-X |

Note: X refers to Chasis-side thread size

### 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.