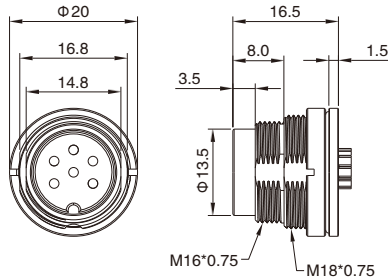


## M16 Male Panel Mount, Die-cast Screw, Solder, Front fastened

- Connector series: M16
- Gender: Male
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB16MSAFHD\*\*ST-6

\*\* refers to pins number



RoHS

### General information

|                       |                               |
|-----------------------|-------------------------------|
| Standard:             | IEC 61076-2-106               |
| Ambient temperature:  | -25℃ ~ +70℃                   |
| Connector insert:     | BPT                           |
| Connector contacts:   | Brass with gold plated        |
| Connector screw/body: | Zinc alloy with nickel plated |
| Coupling screw:       | Brass with nickel plated      |

|                        |                                |
|------------------------|--------------------------------|
| Seal/ O-ring:          | NBR/FKM                        |
| Insulation resistance: | ≥ 100MΩ                        |
| Contact resistance :   | ≤ 5mΩ                          |
| Shielding:             | Unavailable                    |
| IP rating:             | IP65, IP67 in locked condition |
| Mating endurance:      | >100 cycles                    |

### Electrical data & Mechanical data

| Contacts  |  | Contact termination | Rated current | Voltage |     | Wire gauge / size |                 | Cable jacket | Part No.          |
|-----------|--|---------------------|---------------|---------|-----|-------------------|-----------------|--------------|-------------------|
|           |  |                     |               | A/C     | D/C | AWG               | mm <sup>2</sup> |              |                   |
| 02 pins   |  | Solder version      | 7A(40℃)       | 250V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD02ST-6  |
| 03 pins   |  | Solder version      | 7A(40℃)       | 250V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD03ST-6  |
| 04 pins   |  | Solder version      | 6A(40℃)       | 250V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD04ST-6  |
| 05 pins-a |  | Solder version      | 6A(40℃)       | 250V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD05AST-6 |
| 05 pins-b |  | Solder version      | 6A(40℃)       | 60V     | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD05BST-6 |
| 06 pins   |  | Solder version      | 5A(40℃)       | 250V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD06ST-6  |
| 07 pins-a |  | Solder version      | 5A(40℃)       | 125V    | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD07AST-6 |
| 07 pins-b |  | Solder version      | 5A(40℃)       | 60V     | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD07BST-6 |
| 08 pins   |  | Solder version      | 5A(40℃)       | 60V     | 32V | 18AWG             | 0.75            | PUR/PVC      | MB16MSAFHD08ST-6  |
| 14 pins   |  | Solder version      | 3A(40℃)       | 60V     | 32V | Max.24AWG         | Max.0.25        | PUR/PVC      | MB16MSAFHD14ST-6  |
| 19 pins   |  | Solder version      | 3A(40℃)       | 60V     | 32V | Max.24AWG         | Max.0.25        | PUR/PVC      | MB16MSAFHD19ST-6  |

### 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 292 for products' part number encoding rule.