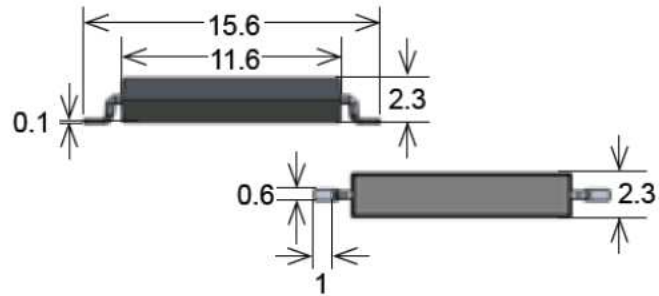


MK16 Series Reed Sensors



- Features: Supplied in Tape & Reel, Axial or Gull-Wing Lead, Excellent for Low Power Operations
- Applications: On/Off Control Switch, Position Detection, Switching Element in Microphones & Others
- Markets: Appliance, Telecommunication, Security, Medical & Others

Part Description: **MK 16-0-X**

| | |
|----------------------|-------------|
| Magnetic Sensitivity | Lead Design |
| B, C, D, E | 1, 2 |

| Customer Options | Switch Model | Unit |
|---|-----------------|------|
| Contact Data | 87 | |
| Rated Power (max.) <small>Any DC combination of V&A not to exceed their individual max.'s</small> | 10 | W |
| Switching Voltage (max.) <small>DC or peak AC</small> | 200 | V |
| Switching Current (max.) <small>DC or peak AC</small> | 0.4 | A |
| Carry Current (max.) <small>DC or peak AC</small> | 0.5 | A |
| Contact Resistance (max.) <small>@ 0.5V & 50mA</small> | 150 | mOhm |
| Breakdown Voltage (min.) <small>According to EN60255-5</small> | 0.23 | kVDC |
| Operating Time (max.) <small>Incl. Bounce; Measured with w/ Nominal Voltage</small> | 0.6 | ms |
| Release Time (max.) <small>Measured with no Coil Excitation</small> | 0.05 | ms |
| Insulation Resistance (typ.) <small>Rh<45%, 100V Test Voltage</small> | 10 ⁹ | GOhm |
| Capacitance (typ.) <small>@ 10kHz across open Switch</small> | 0.2 | pF |

Series Datasheet – MK16 Reed Sensors

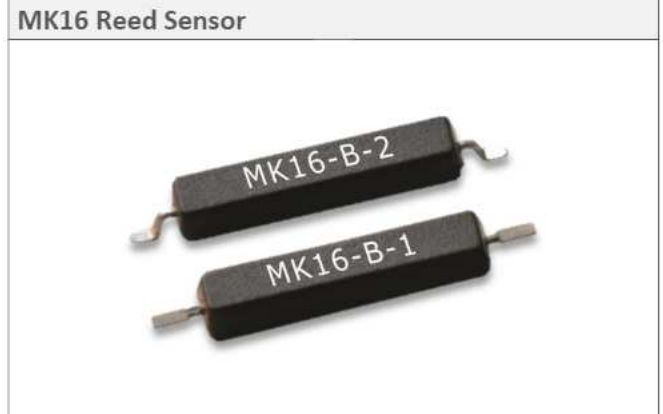
www.standexmeder.com

| Housing and Lead Specifications | |
|---------------------------------|--|
| Housing Material | Mineral Filled Epoxy |
| Case Color | Black |
| Lead design 1 | Flat, straight leads for PCB slot mounting |
| Lead design 2 | Flat, bent SMD leads |

| Environmental Data | | Unit |
|--|------------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 30 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature | -40 to 130 | °C |
| Storage Temperature | -50 to 130 | °C |
| Soldering Temperature (max.) 5 sec. max. | 260 | °C |

| Glossary Contact Form | | |
|-----------------------|--|--|
| Form A | NO = Normally Open Contacts SPST = Single Pole Single Throw | |
| Form B | NC = Normally Closed Contacts SPST = Single Pole Single Throw | |
| Form C | Changeover SPDT = Single Pole Double Throw | |

| Glossary Magnetic Sensitivity | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Sens. | A | B | C | D | E | F | G |
| AT | 05-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30-35 | 35-40 |



Handling & Assembly Instructions

- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress during, soldering, and welding
- Mechanical shock as the result of dropping the reed sensor typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the sensor

