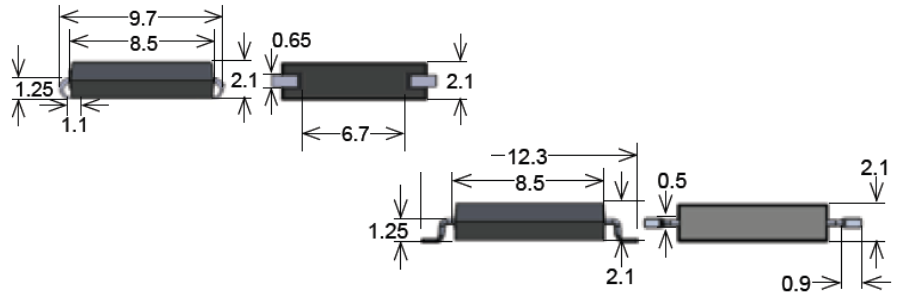




THE DATASHEET OF MK17-B-2



MK17 Series Reed Sensors



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

Part Description: **MK 17 - 0 - X**

| Magnetic Sensitivity | Lead Design |
|----------------------|-------------|
| B, C, D, E | 1, 2, 3 |

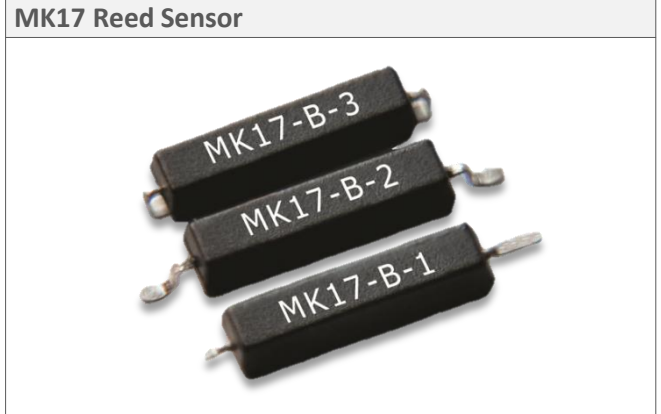
| Customer Options | Switch Model | Unit |
|--|-----------------|------|
| Contact Data | 80 | |
| Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s | 10 | W |
| Switching Voltage (max.) DC or peak AC | 170 | V |
| Switching Current (max.) DC or peak AC | 0.5 | A |
| Carry Current (max.) DC or peak AC | 0.5 | A |
| Contact Resistance (max.) @ 0.5V & 50mA | 200 | mOhm |
| Breakdown Voltage (min.) According to EN60255-5 | 0.21 | kVDC |
| Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage | 0.6 | ms |
| Release Time (max.) Measured with no Coil Excitation | 0.05 | ms |
| Insulation Resistance (typ.) Rh<45%, 100V Test Voltage | 10 ⁹ | Ohm |
| Capacitance (typ.) @ 10kHz across open Switch | 0.4 | pF |

| 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 |
| Lead design 3 | J-Lead |

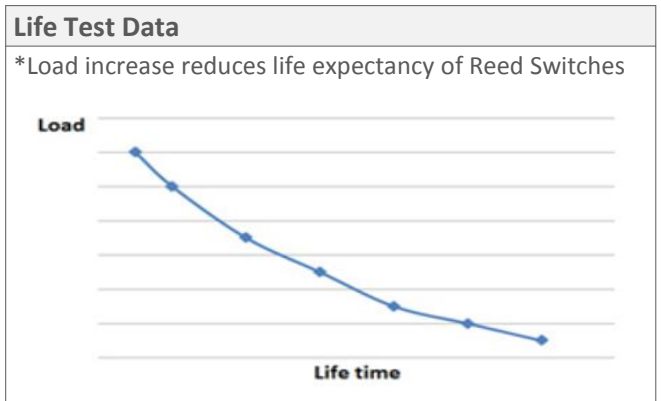
| Environmental Data | | Unit |
|--|------------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 30 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature | -40 to 130 | °C |
| Storage Temperature | -50 to 130 | °C |
| Soldering Temperature (max.) 5 sec. max. | 260 | °C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

| 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 may cause immediate or post-installation failure |
| ➤ | Reflow Soldering Conditions according to JEDEC norm J-STD-020D.1 |




Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View MK17-B-2 on WIN SOURCE](#)
-  [Standex-Meder Electronics Information](#)

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