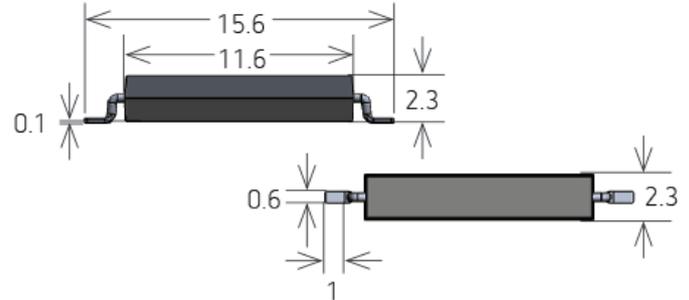


MK16 Series Reed Sensors

- **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: **M K 16 - X - 0**

Magnetic Sensitivity

B, C, D, E

Lead Design

1, 2

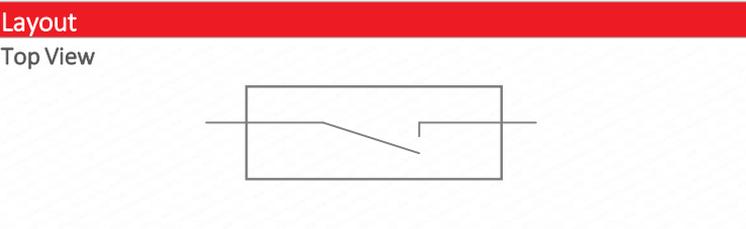
| Customer Options | Switch Model | Unit |
|--|-----------------|------|
| Contact Data | 87 | |
| Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s | 10 | W |
| Switching Voltage (max.) DC or peak AC | 200 | V |
| Switching Current (max.) DC or peak AC | 0.4 | A |
| Carry Current (max.) DC or peak AC | 0.5 | A |
| Contact Resistance (max.) @ 0.5V & 50mA | 150 | mOhm |
| Breakdown Voltage (min.) According to EN60255-5 | 0.23 | 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 | 0.2 | pF |

MK16 Series Reed Sensors

| 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 |

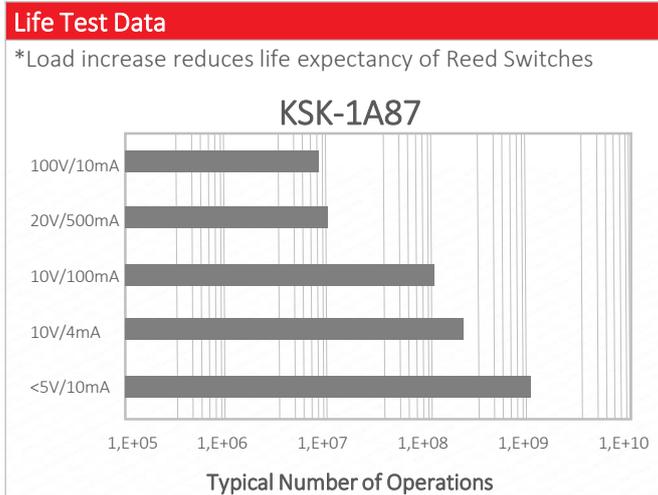
| Glossary Contact Form | | |
|-----------------------|--|--|
| Form A | NO = Normally Open Contacts SPST = Single Pole Single Throw | |
| Form B | NC = Normally Closed Contacts SPST = Single Pole Single Throw | |
| Form C | Changeover SPDT = Single Pole Double Throw | |



| 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 its magnetic sensitivity and/or destroy the sensor
 - Reflow Soldering Conditions according to JEDEC norm J-STD-020D.1



Please note: All technical specifications on this series datasheet refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.

This series datasheet could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein. These change will be incorporated in future revisions.

For deviating values, most current specifications and products please contact your nearest sales office.

