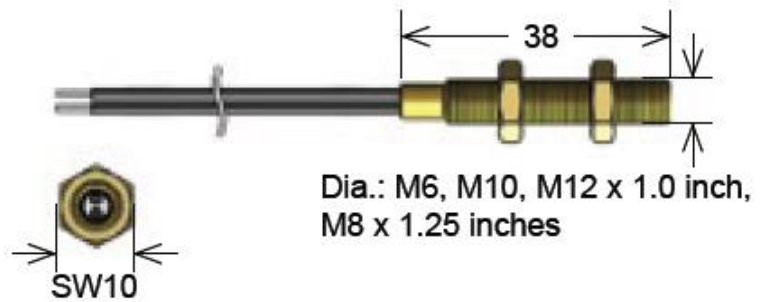


MK11(B) Series Reed Sensors



- Features: Cylindrical Reed Sensor, Choice of Cable Termination & Lengths available, Various Case Sizes
- Applications: Door & Window Contacts, Safety Control, Position Sensing
- Markets: Appliance, Industrial, Security & Others

Part Description: **MK 11 / B 0 - 0 X 0 0 X - 0 0 0 X**

| Thread | Contact QTY | Contact Form | Switch Model | Magnetic Sensitivity | Cable Length (mm) | Termination |
|------------------------------|-------------|--------------|--------------|----------------------|---|-------------|
| M6 - M12 B = Brass Thread | 1 | A, B, C | 66, 85, 90 | C, D, E | 200, 300, 500, 1,000, 1,500, 2,000, 3,000, 5,000 | w |

| Customer Options | Switch Model | | | Unit |
|--|------------------|------------------|-----------------|------|
| | 66 | 85 | 90 | |
| Contact Data | | | | |
| Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s | 10 | 100 | 10 | W |
| Switching Voltage (max.) DC or peak AC | 200 | 1,000 | 175 | V |
| Switching Current (max.) DC or peak AC | 0.5 | 1 | 0.5 | A |
| Carry Current (max.) DC or peak AC | 1.0 | 2.5 | 1.0 | A |
| Contact Resistance (max.) @ 0.5V & 50mA | 150 | 150 | 150 | mOhm |
| Breakdown Voltage (min.) According to EN60255-5 | 0.25 | 1.5 | 0.2 | kVDC |
| Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage | 0.7 | 1.1 | 0.7 | ms |
| Release Time (max.) Measured with no Coil Excitation | 0.05 | 0.05 | 1.5 | ms |
| Insulation Resistance (typ.) Rh<45%, 100V Test Voltage | 10 ¹⁰ | 10 ¹⁰ | 10 ⁹ | Ohm |
| Capacitance (typ.) @ 10kHz across open Switch | 0.3 | 0.5 | 1.5 | pF |

Series Datasheet – MK11(B) Reed Sensors

www.standexmeder.com

| Housing and Cable Specifications | |
|----------------------------------|----------------------------|
| Housing Material | Brass |
| Case Color | Brass |
| Sealing Compound | Polyurethan |
| Cable Typ | Flat Cable/ Round Cable |
| Cable Material | PVC |
| Cross Section (mm ²) | 2 x 0.14 - 0.25 / 3 x 0.14 |

| Environmental Data | | Unit |
|--|-----------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature Cable not moved | -30 to 70 | °C |
| Operating Temperature Cable moved | -5 to 70 | °C |
| Storage Temperature | -30 to 70 | °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 |

MK11(B) Reed Sensor



Handling & Assembly Instructions

- Max torque of nuts depends on thread size
M6 = 2Nm , M8 = 6Nm , M10 - M12 = 12Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Decrease switching distance by mounting on iron
- Do not use magnetically inductive screws
- Series resistor recommended for > 5m cable length

Life Test Data

*Load increase reduces life expectancy of Reed Switches

