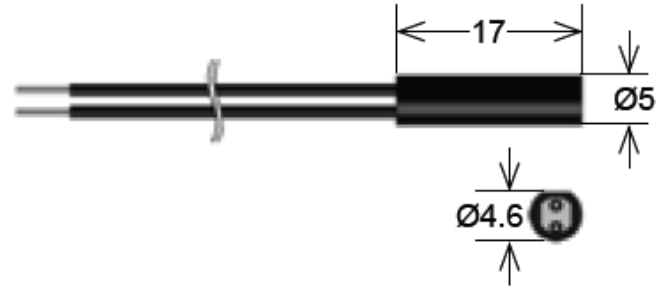




**THE DATASHEET OF
MK18-B-100W**



MK18 Series Reed Sensors



- Features: Cylindrical Reed Sensor, Choice of Cable Termination & Lengths available, Various Case Sizes
- Applications: Door & Window Contacts, With Magnetic Floats for Water Level Detection, Position Sensing
- Markets: Appliance, Industrial, Security & Others

Part Description: **MK 18-0X00X-000X**

| Contact QTY | Contact Form | Switch Model | Magnetic Sensitivity | Cable Length (mm) | Termination |
|-------------|--------------|--------------|----------------------|----------------------------------|-------------|
| 1 | A | 87 | B, C, D, E | 100, 200, 300, 500, 1,000, 1,500 | w |

| 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 |

Series Datasheet – MK18 Reed Sensors

www.standexmeder.com

| Housing and Cable Specifications | |
|----------------------------------|----------------------------|
| Housing Material | PBT Glass Fiber Reinforced |
| Case Color | Black |
| Sealing Compound | Polyurethan |
| Cable Typ | Flat Cable |
| Cable Material | PVC |
| Cross Section (mm ²) | 2 x 0.14 |

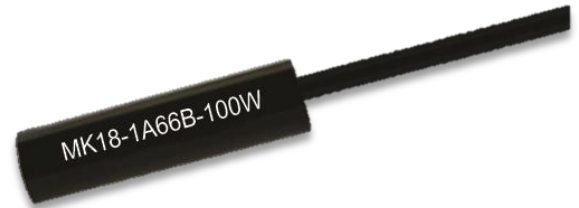
| Environmental Data | | Unit |
|--|-----------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature Cable not moved | -30 to 70 | °C |
| Operating Temperature Cable moved | -5 to 70 | °C |
| Storage Temperature | -30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



MK18 Reed Sensor

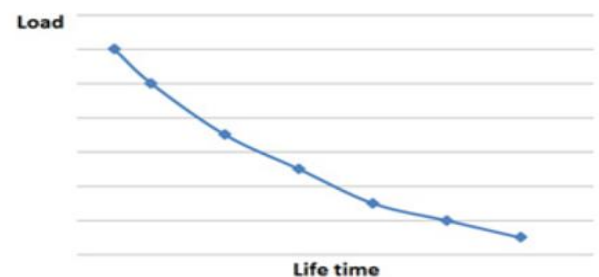


Handling & Assembly Instructions

- Max torque on housing is 1Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Drag mark out of the mounting area forbidden
- 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



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View MK18-B-100W on WIN SOURCE](#)
- [Standex-Meder Electronics Information](#)

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management