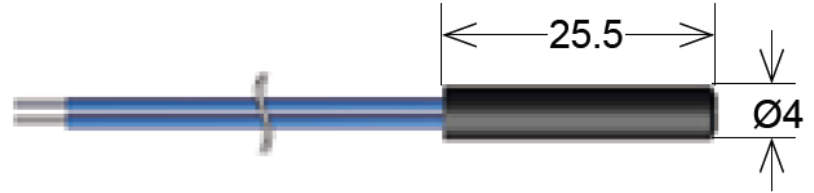
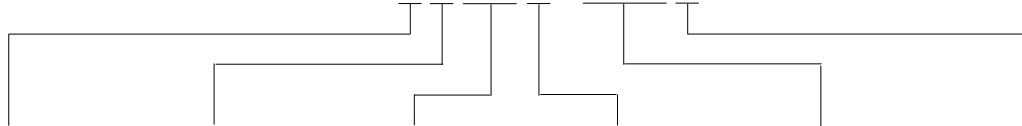


# MK14 Series Reed Sensors



- 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 14 - 0X00X - 000X**



| Contact QTY | Contact Form | Switch Model | Magnetic Sensitivity | Cable Length (mm)                | Termination |
|-------------|--------------|--------------|----------------------|----------------------------------|-------------|
| 1           | A, B, C      | 66, 90       | B, C, D, E           | 100, 200, 300, 500, 1,000, 1,500 | w           |

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

Series Datasheet – MK14 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/ Round Cable    |
| Cable Material                   | PVC                        |
| Cross Section (mm <sup>2</sup> ) | 2 x 0.14 / 3 x 0.14        |

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

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

