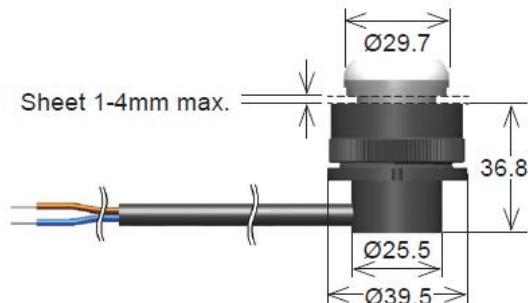


Series Datasheet – MK25 Reed Sensors

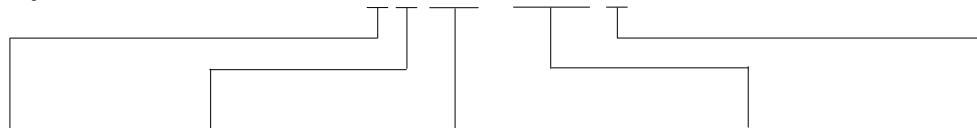
www.standexmeder.com

MK25 Series

Reed Sensors



- Features: Ex-approved, Choice of Cable Termination & Lengths, Button Plates in Different Colors available
- Applications: Petrochemical and Mining Industry, Filling Stations, Hazardous Areas
- Markets: Industrial, Security & Others

 Part Description: **M K 2 5 - 0 X 0 0 - 0 0 0 X**


| Contact QTY | Contact Form | Switch Model | Cable Length (mm) | Termination |
|-------------|--------------|--------------|----------------------------------|-------------|
| 1 | A, C | 46, 75, 90 | 100, 200, 300, 500, 1,000, 1,500 | W |

| Customer Options | Switch Model | | | Unit |
|--|-----------------|------------------|-----------------|------|
| | 46 | 75 | 90 | |
| Contact Data | | | | |
| Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s | 10 | 10 | 3 | W |
| Switching Voltage (max.) DC or peak AC | 100 | 230 | 30 | V |
| Switching Current (max.) DC or peak AC | 0.5 | 0.5 | 0.2 | A |
| Carry Current (max.) DC or peak AC | 1.5 | 1.0 | 0.5 | A |
| Contact Resistance (max.) @ 0.5V & 50mA | 150 | 200 | 150 | mOhm |
| Breakdown Voltage (min.) According to EN60255-5 | 0.225 | 0.4 | 0.15 | kVDC |
| Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage | 0.7 | 0.5 | 2.5 | ms |
| Release Time (max.) Measured with no Coil Excitation | 0.1 | 0.1 | 0.5 | ms |
| Insulation Resistance (typ.) Rh<45%, 100V Test Voltage | 10 ⁹ | 10 ¹⁰ | 10 ⁹ | GOhm |
| Capacitance (typ.) @ 10kHz across open Switch | 0.2 | 0.4 | 1.5 | pF |

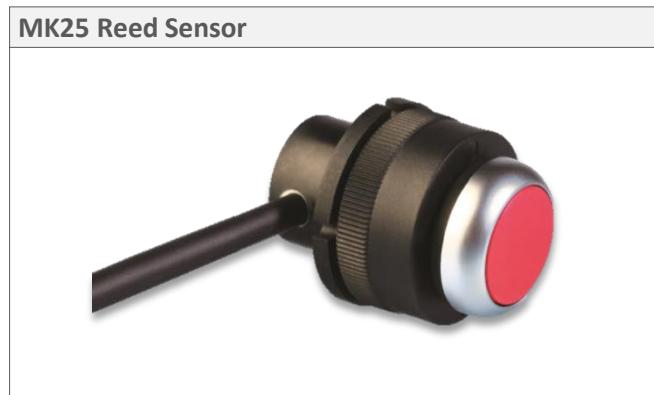
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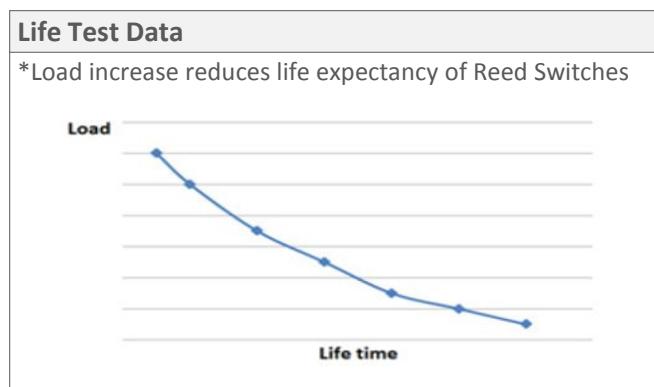
| Housing and Cable Specifications | | |
|----------------------------------|-----------------------------|--|
| Housing Material | PA 6, Typ Miramid VE | |
| Case Color | Black | |
| Sealing Compound | Polyurethan/Elastosil | |
| Cable Typ | Round Cable | |
| Cable Material | Oil resistant Cable H05RN-F | |
| Cross Section (mm ²) | 2 x 0.75 | |

| Environmental Data | | Unit |
|--|-----------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature Cable not moved | -40 to 60 | °C |
| Operating Temperature Cable moved | -05 to 70 | °C |
| Storage Temperature | -40 to 60 | °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 |  |



| Handling & Assembly Instructions |
|---|
| ➤ Cable bending-radius is diameter x 15 |
| ➤ Min. bending distance to housing is 20mm |
| ➤ Cable exit twistable |
| ➤ Decrease switching distance by mounting on iron |
| ➤ Push button tentative |
| ➤ Series resistor recommended for > 5m cable length |



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