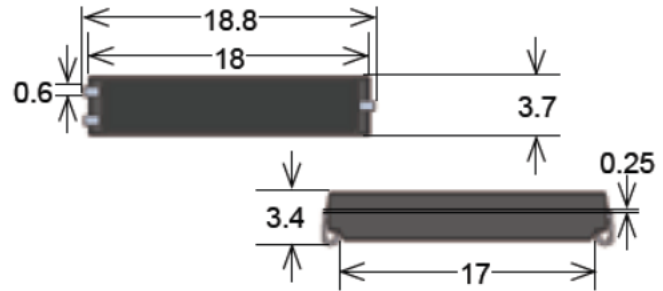


# MK01 Series Reed Sensors



- Features: Supplied in Tape & Reel, J-Lead, Excellent for Low Power Operations
- Applications: On/Off Control Switch, Position Detection, Switching Element & Others
- Markets: Appliance, Telecommunication, Security, Medical & Others

Part Description: **MK 01 - X**

**Magnetic Sensitivity**

B, C/H, D/I, E/K

Customer Options	Switch Model		Unit
	66	90	
<b>Contact Data</b>			
<b>Rated Power (max.)</b> <small>Any DC combination of V&amp;A not to exceed their individual max.'s</small>	10	10	W
<b>Switching Voltage (max.)</b> <small>DC or peak AC</small>	180	175	V
<b>Switching Current (max.)</b> <small>DC or peak AC</small>	0.5	0.5	A
<b>Carry Current (max.)</b> <small>DC or peak AC</small>	1.0	1.0	A
<b>Contact Resistance (max.)</b> <small>@ 0.5V &amp; 50mA</small>	150	150	mOhm
<b>Breakdown Voltage (min.)</b> <small>According to EN60255-5</small>	0.2	0.2	kVDC
<b>Operating Time (max.)</b> <small>Incl. Bounce; Measured with w/ Nominal Voltage</small>	0.5	0.7	ms
<b>Release Time (max.)</b> <small>Measured with no Coil Excitation</small>	0.05	1.5	ms
<b>Insulation Resistance (typ.)</b> <small>Rh&lt;45%, 100V Test Voltage</small>	10 <sup>10</sup>	10 <sup>9</sup>	Ohm
<b>Capacitance (typ.)</b> <small>@ 10kHz across open Switch</small>	0.3	1.5	pF

Series Datasheet – MK01 Reed Sensors

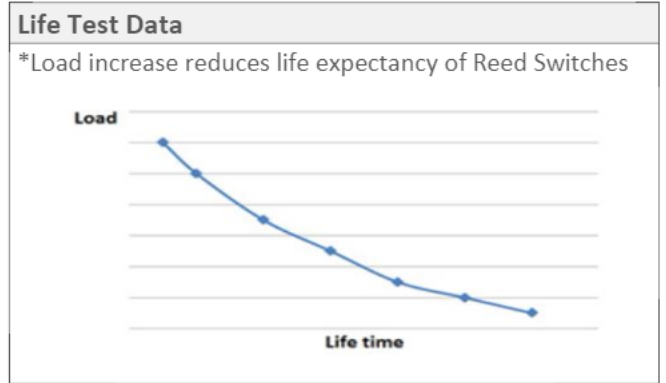
[www.standexmeder.com](http://www.standexmeder.com)

Housing and Lead Specifications	
Housing Material	Mineral Filled Epoxy
Case Color	Black

Environmental Data		Unit
Shock Resistance (max.) <small>1/2 sine wave duration 11ms</small>	30	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 130	°C
Storage Temperature	-35 to 130	°C
Soldering Temperature (max.) <small>5 sec. max.</small>	260	°C

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 may cause immediate or post-installation failure

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		
AT Range	Sensitivity (Form A, B)	Sensitivity (Form C)
05 – 10	A	
10 – 15	B	
15 – 20	C	H
20 – 25	D	I
25 – 30	E	K
30 – 35	F	
35 - 40	G	



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