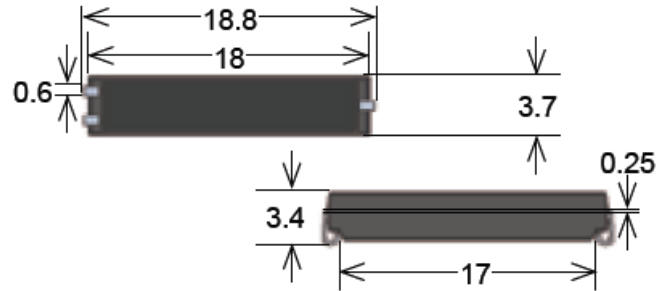


# MK01 Series Reed Sensors



- 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

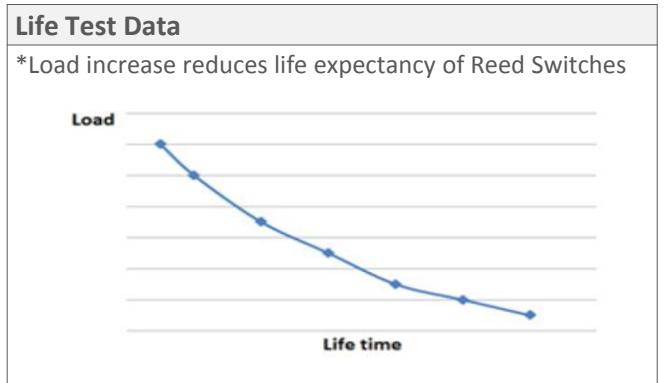
Customer Options	Switch Model		Unit
	66	90	
<b>Contact Data</b>			
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	10	10	W
<b>Switching Voltage (max.)</b> DC or peak AC	180	175	V
<b>Switching Current (max.)</b> DC or peak AC	0.5	0.5	A
<b>Carry Current (max.)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

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

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

