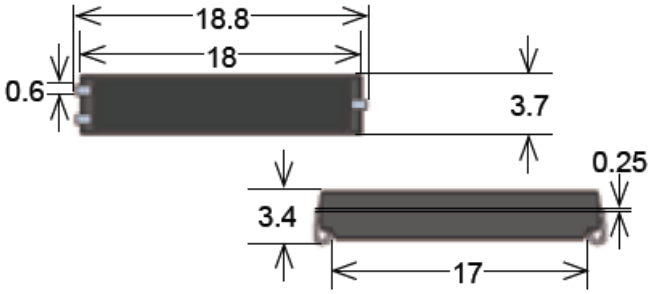
MK01 Series Reed Sensors



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

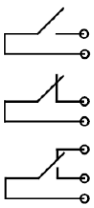
Housing and Lead Specifications	
Housing Material	Mineral Filled Epoxy
Case Color	Black

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

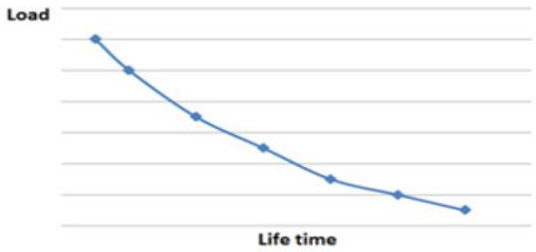
Glossary Contact Form

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	

MK01 Reed Sensor

Life Test Data

*Load increase reduces life expectancy of Reed Switches



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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