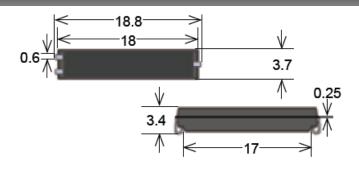


Series Datasheet - MK01 Reed Sensors

www.standexmeder.com

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: M K 01-X

Magnetic Sensitivity

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

Customer Options	Switch Model		11
Contact Data	66	90	Unit
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	А
Carry Current (max.) DC or peak AC	1.0	1.0	А
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





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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	









Life Test Data		
*Load incre	ease reduces life expectancy of Reed Switches	
Load		
Life time		

Glossary Magnetic Sensitivity		
AT Range	Sensitivity (Form A, B)	Sensitivity (Form C)
05 – 10	А	
10 – 15	В	
15 – 20	С	Н
20 – 25	D	1
25 – 30	Е	K
30 – 35	F	
35 - 40	G	