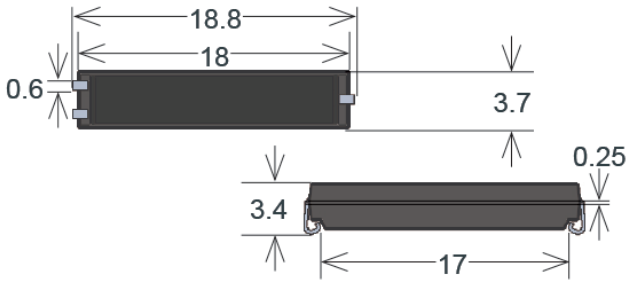
MK01 Series Reed Sensors

- **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: MK01-X

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

See page 2 for Glossary

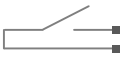
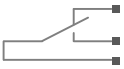
Customer Options	Switch Model		Unit
Contact Data	66	90	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	10	W
Switching Voltage (max.) DC or peak AC	180	175	V
Switching Current (max.) DC or peak AC	0.5	0.5	A
Carry Current (max.) DC or peak AC	1.0	1.0	A
Contact Resistance (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

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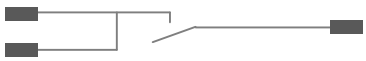
Housing and Lead Specifications	
Housing Material	Mineral Filled Epoxy
Case Color	Black

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

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	

Layout

Top View



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

MK01 Reed Sensor



Handling & Assembly Instructions

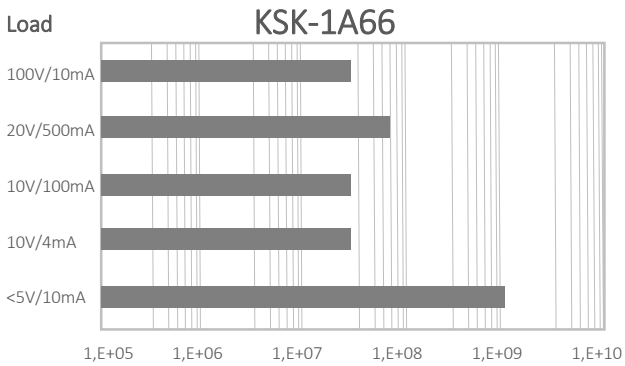
- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress during, soldering, and welding
- Mechanical shock as the result of dropping the reed sensor typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the sensor

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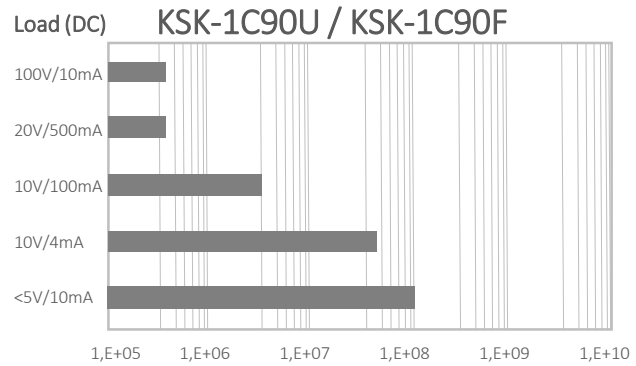
Life Test Data

*Load increase reduces life expectancy of Reed Switches



Life Test Data

*Load increase reduces life expectancy of Reed Switches



Please note: All technical specifications on this series datasheet refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.

This series datasheet could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein. These change will be incorporated in future revisions.

For deviating values, most current specifications and products please contact your nearest sales office.

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