



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

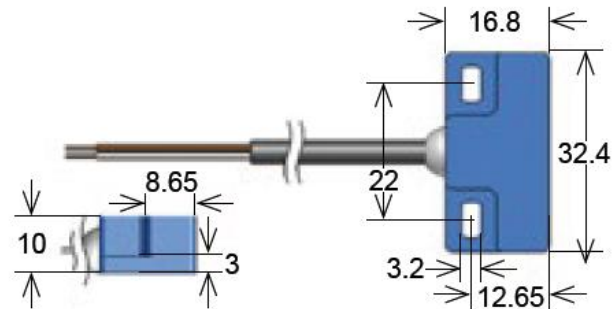
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MK02 Series Reed Sensors



- Features: Ferrous Metal Detection, Front or Above Operation, Choice of Cable Termination & Lengths
- Applications: Door & Window Control, Fire Protection Doors, Safety & Interlock Sensing & Others
- Markets: Appliance, Industrial, Security & Others

Part Description: **MK 02/0-0X00-000X**

Operation Series	Contact QTY	Contact Form	Switch Model	Cable Length (mm)	Termination
0, 1, 2, 3, 4	01	A, B, C	66, 90	200, 300, 500, 1000, 1500, 2000, 3000, 5000	w

Customer Options	Switch Model		Unit
	66	90	
Contact Data			
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	200	175	V
Switching Current (max.) DC or peak AC	0.5	0.5	A
Carry Current (max.) DC or peak AC	1.00	1.0	A
Contact Resistance (max.) @ 0.5V & 50mA	150	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.25	0.2	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.7	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	GOhm
Capacitance (typ.) @ 10kHz across open Switch	0.3	1.5	pF

Series Datasheet – MK02 Reed Sensors

www.standexmeder.com

Housing and Cable Specifications	
Housing Material	PBT Glass Fibre Reinforced
Case Color	Blue
Sealing Compound	Polyurethan
Cable Typ	Round Cable
Cable Material	PVC
Cross Section (mm ²)	4 x 0.14 / 2 x 0.25

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature Cable not moved	-5 to 80	°C
Operating Temperature Cable moved	-30 to 80	°C
Storage Temperature	-30 to 80	°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	



MK02 Reed Sensor

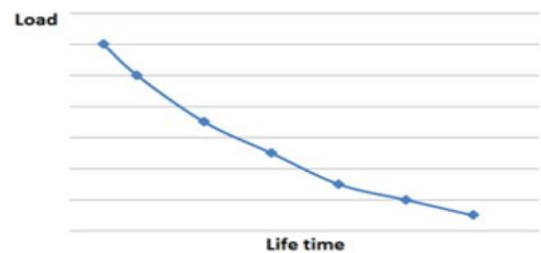


Handing & Assembly Instructions

- Max torque of screw is 1Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Drag mark out of the mounting area forbidden
- Decrease switching distance by mounting on iron
- Do not use magnetically inductive screws
- Series resistor recommended for > 5m cable length

Life Test Data

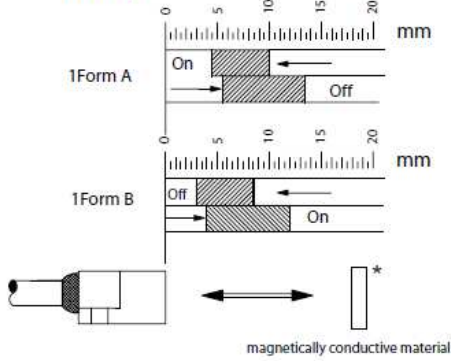
*Load increase reduces life expectancy of Reed Switches



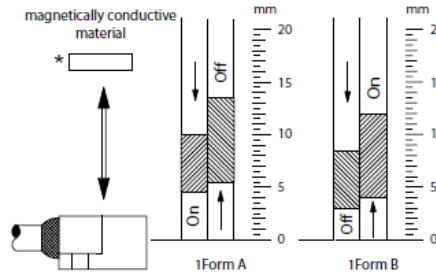
Operation Series – Screw Flange Mount

For best operation it is recommended that you DO NOT mount these sensors on any ferromagnetic material OR use any ferromagnetic screws.

MK02/0 Operation from the Front
MK02/2

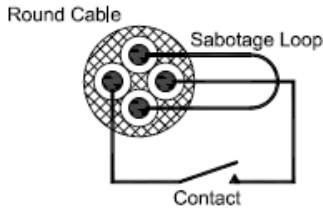


MK02/1 Operation from above
MK02/3



* Dimension (mm): 3 x 12 x 32

The standard cable is a 4-wire round - core 4 x 0.14 mm² (cable sheath and wires are white) forming a sabotage loop. See example of this loop to the right.



Sabotage loop for
MK02/2, MK02/3