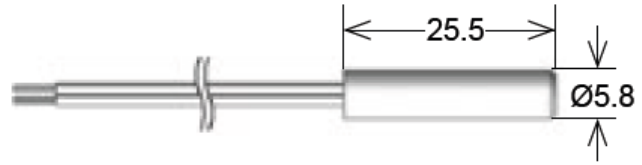


MK03 Series Reed Sensors



- Features: Cylindrical Reed Sensor, Choice of Cable Termination & Lengths available, Various Case Sizes
- Applications: Door & Window Contacts, With Magnetic Floats for Water Level Detection, Position Sensing
- Markets: Appliance, Industrial, Security & Others

Part Description: **MK 03-0X00X-000X**

Contact QTY	Contact Form	Switch Model	Magnetic Sensitivity	Cable Length (mm)	Termination
1	A, B, C	66, 75, 90	B, C, D, E	200, 300, 500, 1,000, 1,500, 2,000, 3,000, 5,000	w

Customer Options	Switch Model			Unit
	66	75	90	
Contact Data				
Rated Power (max.) <small>Any DC combination of V&A not to exceed their individual max.'s</small>	10	10	10	W
Switching Voltage (max.) <small>DC or peak AC</small>	200	500	175	V
Switching Current (max.) <small>DC or peak AC</small>	0.5	0.5	0.5	A
Carry Current (max.) <small>DC or peak AC</small>	1.0	1.0	1.0	A
Contact Resistance (max.) <small>@ 0.5V & 50mA</small>	150	200	150	mOhm
Breakdown Voltage (min.) <small>According to EN60255-5</small>	0.25	1.5	0.2	kVDC
Operating Time (max.) <small>Incl. Bounce; Measured with w/ Nominal Voltage</small>	0.7	0.5	0.7	ms
Release Time (max.) <small>Measured with no Coil Excitation</small>	0.05	0.1	1.5	ms
Insulation Resistance (typ.) <small>Rh<45%, 100V Test Voltage</small>	10 ¹⁰	10 ¹⁰	10 ⁹	Ohm
Capacitance (typ.) <small>@ 10kHz across open Switch</small>	0.3	0.4	1.5	pF

Housing and Cable Specifications	
Housing Material	PBT Glass Fiber Reinforced
Case Color	White
Sealing Compound	Polyurethan
Cable Typ	Flat Cable
Cable Material	PVC
Cross Section (mm ²)	2 x 0.14

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature Cable not moved	-30 to 70	°C
Operating Temperature Cable moved	-5 to 70	°C
Storage Temperature	-30 to 70	°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	

Glossary Magnetic Sensitivity							
Sens.	A	B	C	D	E	F	G
AT	05-10	10-15	15-20	20-25	25-30	30-35	35-40



MK03 Reed Sensor

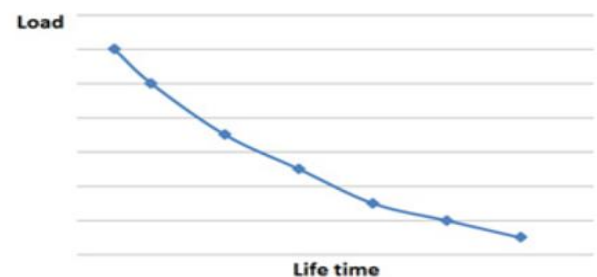


Handling & Assembly Instructions

- Max torque on housing 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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Standex Electronics:](#)

[MK03-1A66B-500W](#) [MK03-1B-90C-1000W](#) [MK03-1A66B-100W](#) [MK03-1B90B-500W](#)