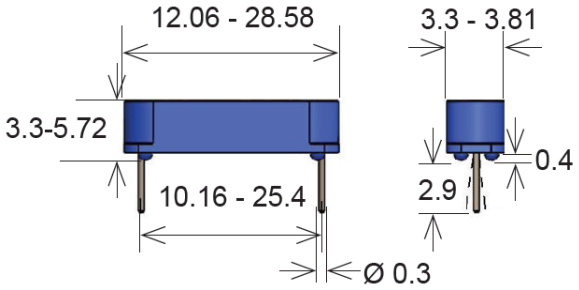
MK06 Series Reed Sensors



- Features: High Power Switches, Various Case Sizes and Operate Sensitivities Available
- Applications: On/Off Control Switch, Position Detection, Switching Element & Others
- Markets: Appliance, Telecommunication, Security, Medical, Industry & Others

Part Description: MK 06-0-X

Size	Magnetic Sensitivity
4, 5, 6, 7, 8, 10	B, C, D, E, H, I, K

Customer Options	Switch Model			Unit
Contact Data	**66**	**87**	**90**	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	10	10	W
Switching Voltage (max.) DC or peak AC	200	200	175	V
Switching Current (max.) DC or peak AC	0.5	0.4	0.5	A
Carry Current (max.) DC or peak AC	1.0	0.5	1.0	A
Contact Resistance (max.) @ 0.5V & 50mA	150	150	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.25	0.23	0.2	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.7	0.6	0.7	ms
Release Time (max.) Measured with no Coil Excitation	0.05	0.05	1.5	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^{10}	10^{9}	10^{9}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.3	0.2	1.5	pF

Housing and Lead Specifications	
Housing Material	PBT Glass Fibre Reinforced
Case Color	Blue
Sealing Compound	Epoxy Resin
Lead Design	THT

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	30	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 85	°C
Storage Temperature	-35 to 85	°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	

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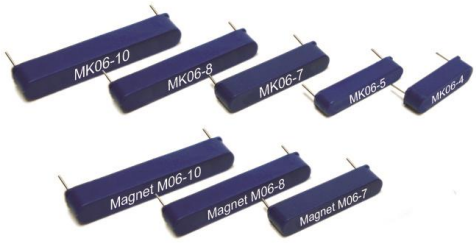
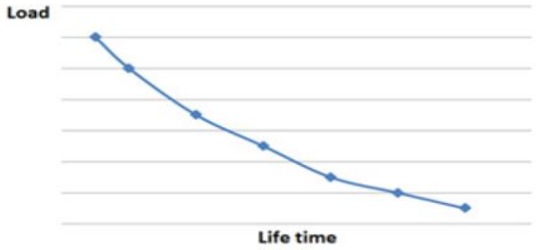


Life Test Data

*Load increase reduces life expectancy of Reed Switches



Glossary Magnetic Sensitivity

AT Range	Sensitivity (Form A)	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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Dimensions