Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Standex-Meder Electronics
MK06-5-B

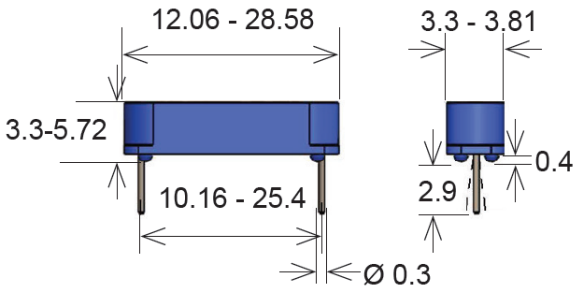
For any questions, you can email us directly:
sales@integrated-circuit.com

Standex MEDER ELECTRONICS — Custom Engineered Solutions for Tomorrow

A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

Series Datasheet – MK06 Reed Sensors www.standexmeder.com

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

Standex MEDER ELECTRONICS — Custom Engineered Solutions for Tomorrow

A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

Series Datasheet – MK06 Reed Sensors

www.standexmeder.com

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

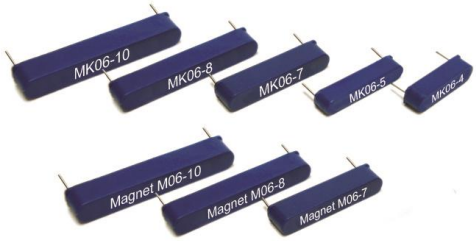
Handling & Assembly Instructions

- 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

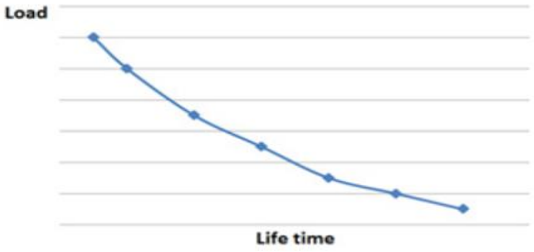
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw	
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw	
Form C	Changeover SPDT = Single Pole Double Throw	

MK06 Reed Sensor



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	

REACH COMPLIANT — RoHS COMPLIANT

Standex MEDER ELECTRONICS — Custom Engineered Solutions for Tomorrow

A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

Dimensions