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#### www.standexmeder.com Series Datasheet – MK02/7 Reed Sensors • • 3,20 ±0,3 [0,13 ±0,012] 12,70 ±0,1 MK02/7 Series 40,50 ±0,1 1,59 ±0,004 **Reed Sensors** 1,60 5 . . [0,06] [0,20] 5 8,70 ±0,1 [0,34 ±0,004] 39 [0,20] [1,54

- Features: Ferrous Metal Detection, Front or Above Operation, THT
- > Applications: Door & Window Control, Fire Protection Doors, Safety & Interlock Sensing & Others
- Markets: Industrial, Security & Others

Part Description: MK 02/7-1	
<b>Operation Series</b>	
7	1

ustomer Options Switch Model		11
Contact Data	87	Unit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	200	V
Switching Current (max.) DC or peak AC	0.4	А
Carry Current (max.) DC or peak AC	0.5	А
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.23	kVDC
<b>Operating Time (max.)</b> Incl. Bounce; Measured with w/ Nominal Voltage	0.6	ms
Release Time (max.) Measured with no Coil Excitation	0.05	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	109	GOhm
Capacitance (typ.) @ 10kHz across open Switch	0.2	pF



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

### Series Datasheet – MK02/7 Reed Sensors

Housing and Cable Specifications		
Housing Material	PBT Glass Fibre Reinforced	
Case Color	Black	
Sealing Compound	Polyurethan	

Environmental Data		Unit
Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 80	°C
Storage Temperature	-20 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		

### Handling & Assembly Instructions

- Use proper lead clamping/heat sinking techniques to prevent mechanical and/or heat stress during soldering & welding
- Mechanical shock as the result of dropping the reed sensor may cause immediate or post-installation failure
- Only a simple piece of iron is required to activate switching position

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#### **Operation Series – PCB Through Hole Mount**

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





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