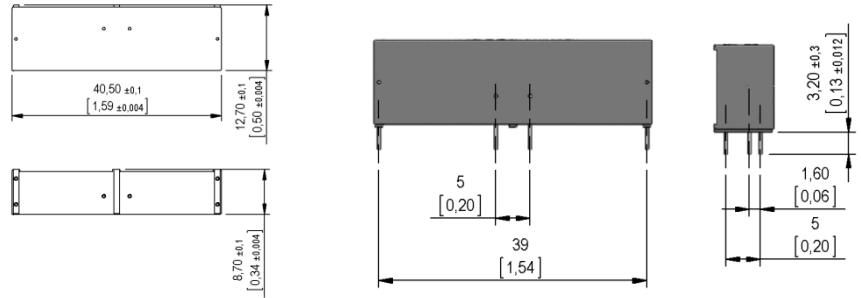


# MK02/7 Series Reed Sensors



- 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**

Operation Series	
7	1




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

Series Datasheet – MK02/7 Reed Sensors

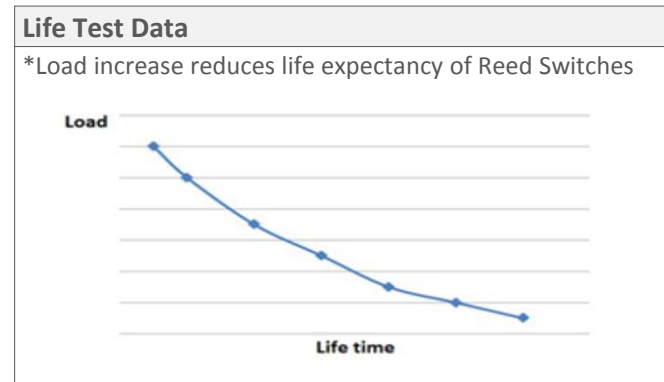
www.standexmeder.com

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

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



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.

