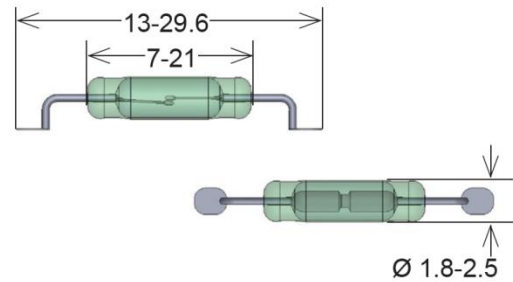


# MK23 Reed Sensors



Values depend on switch model (xxx)

- Features: Miniature, Close Differential, Long Life Expectancy
- Applications: Air Conditioning, Gas Metering, Barcode Scanner, Security Panel, Water Flow Gauge & Others
- Markets: Automotive, Telecommunication, Security, Test & Measurement, Household, Medical & Others

Part Description: **M K 23 - 00 - X - 0**

Switch Model	Sensitivity	Lead Design
35, 46, 52, 66, 80, 85, 87, 90	B, C, D, E, F, G	1, 2, 4

Customer Options	Switch Model								Unit
	35	46	52	66	80	85	87	90	
<b>Contact Data</b>									
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	20	10	50	10	10	100	10	10	W
<b>Switching Voltage (max.)</b> DC or peak AC	200	200	350	200	170	1,000	200	175	V
<b>Switching Current (max.)</b> DC or peak AC	1.0	0.5	0.5	0.5	0.5	1.0	0.4	0.5	A
<b>Carry Current (max.)</b> DC or peak AC	1.25	1.0	2.5	1.0	0.5	2.5	0.5	1.0	A
<b>Contact Resistance (max.)</b> @ 0.5V & 10mA	150	150	150	150	200	150	150	150	mOhm
<b>Breakdown Voltage (min.)</b> According to EN60255-5	0.22	0.225	0.5	0.25	0.21	1.5	0.23	0.2	kVDC
<b>Operating Time (max.)</b> Incl. Bounce; Measured with 40% Overdrive	0.5	0.7	1.1	0.7	0.6	1.1	0.6	0.7	ms
<b>Release Time (max.)</b> Measured with no Coil Excitation	0.1	0.05	0.1	0.05	0.1	0.1	0.05	1.5	ms
<b>Insulation Resistance (min.)</b> RH < 45%, 100 V Test Voltage	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>	Ohm
<b>Capacitance (typ.)</b> @ 10kHz across open Switch	0.3	0.3	0.5	0.3	0.2	0.5	0.2	1.5	pF

Series Datasheet – MK23 Reed Sensors

www.standexmeder.com

Dimensions (mm) and Lead Specifications	
Overall Length	13.0 – 29.6
Glass Length	7.0 – 21.0
Glass Dia.	1.8 - 2.75
Lead Dia.	0.3 to 0.6
Lead design 1	Flat, straight leads for PCB slot mounting
Lead Design 2	Flat, bent SMD leads (Gull-wing)
Lead Design 4	Round, bent SMD leads for PCB slot mounting

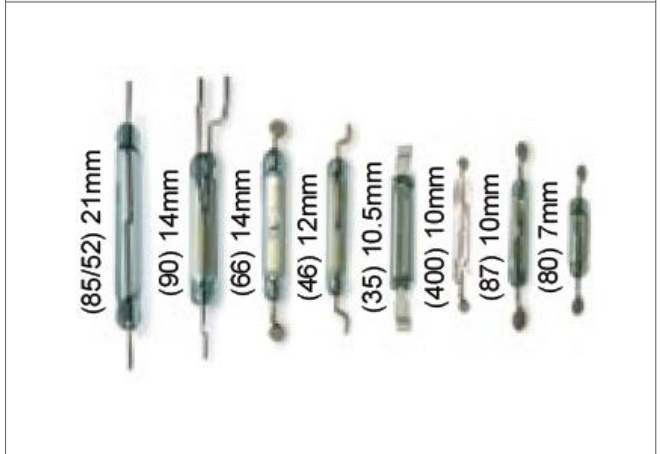
Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

Glossary		
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



MK23 Reed Sensors

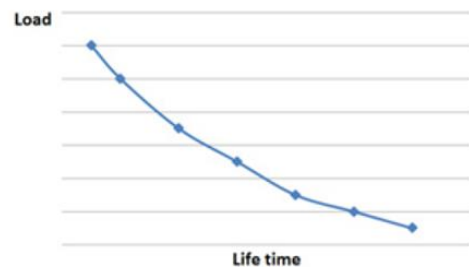


Handling & Assembly Instructions

- 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 typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the sensor
- Series resistor recommended for >5m cable length

Life Test Data

\*Load increase reduces life expectancy of Reed Switches



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Authorized Distributor

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