



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

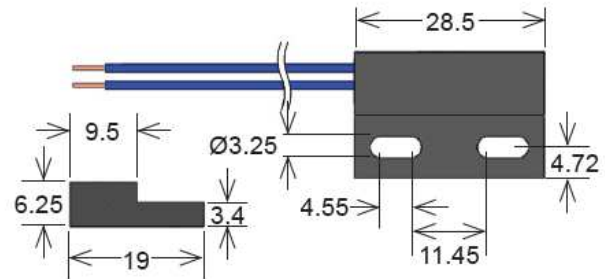
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# MK21 Series Reed Sensors



- Features: Screw Mount, Withstands Temp. >150°C (M-Version), Cable Termination & Lengths available
- Applications: Door & Window Contacts, With Magnetic Floats for Water Level Detection, Position Sensing
- Markets: Automotive, Appliance, Industrial, Security & Others

## Part Description: MK 21 / X - 0 X 0 0 X - 0 0 0 X

Version	Contact QTY	Contact Form	Switch Model	Magnetic Sensitivity	Cable Length (mm)	Termination
M = Molded P = Potted	1	A, B, C	66, 85, 90	B, C, D, E	500, 1,000, 1,500, 2,000, 3,000, 5,000	w

Customer Options	Switch Model			Unit
	66	85	90	
<b>Contact Data</b>				
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	10	100	10	W
<b>Switching Voltage (max.)</b> DC or peak AC	180	1,000	175	V
<b>Switching Current (max.)</b> DC or peak AC	0.5	1	0.5	A
<b>Carry Current (max.)</b> DC or peak AC	1.25	2,5	1.0	A
<b>Contact Resistance (max.)</b> @ 0.5V & 50mA	150	150	150	mOhm
<b>Breakdown Voltage (min.)</b> According to EN60255-5	0.2	1,5	0.2	kVDC
<b>Operating Time (max.)</b> Incl. Bounce; Measured with w/ Nominal Voltage	0.5	1.1	0.7	ms
<b>Release Time (max.)</b> Measured with no Coil Excitation	0.05	0.1	1.5	ms
<b>Insulation Resistance (typ.)</b> Rh<45%, 100V Test Voltage	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	Ohm
<b>Capacitance (typ.)</b> @ 10kHz across open Switch	0.3	0.5	1.5	pF

Series Datasheet – MK21 Reed Sensors

www.standexmeder.com

Housing and Cable Specifications	
Housing Material	Epoxy Resin
Case Color	Black
Sealing Compound	-
Cable Typ	Single Wires
Cable Material	Radox
Cross Section (mm <sup>2</sup> )	0.34

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature Cable not moved	-40 to 150	°C
Operating Temperature Cable moved	-30 to 150	°C
Storage Temperature	-40 to 150	°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	

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



MK20/1 Reed Sensor



Handling & Assembly Instructions

- Max torque on housing is 1Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Drag mark out of the mounting area forbidden
- Decrease switching distance by mounting on iron
- Do not use magnetically inductive screws
- Series resistor recommended for > 5m cable length

Life Test Data

\*Load increase reduces life expectancy of Reed Switches

