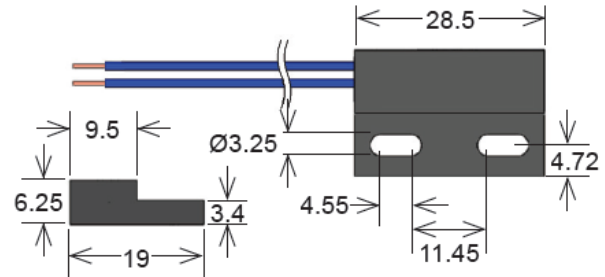


# MK21 Series Reed Sensors



- 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

