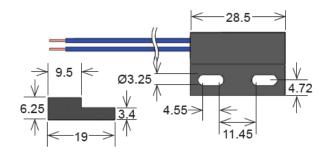


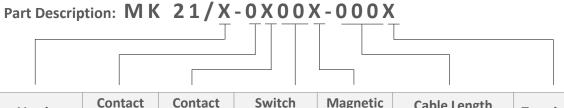
Series Datasheet - MK21 Reed Sensors

www.standexmeder.com

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



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

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



USA: +1.866.782.6339 Europe: +49.7731.8399.0 Asia: +86.21.37820625 | salesusa@standexmeder.com | info@standexmeder.com | salesasia@standexmeder.com



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Housing and Cable Specifications			
Housing Material	Epoxy Resin		
Case Color	Black		
Sealing Compound	-		
Cable Typ	Single Wires		
Cable Material	Radox		
Cross Section (mm²)	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

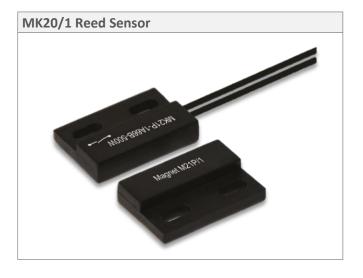
Classon, Contact Form					
Glossary Co	Glossary Contact Form				
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw				
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw				
Form C	Changeover SPDT = Single Pole Double Throw				

Glossary Magnetic Sensitivity							
Sens.	А	В	С	D	Е	F	G
AT	05-10	10-15	15-20	20-25	25-30	30-35	35-40









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

