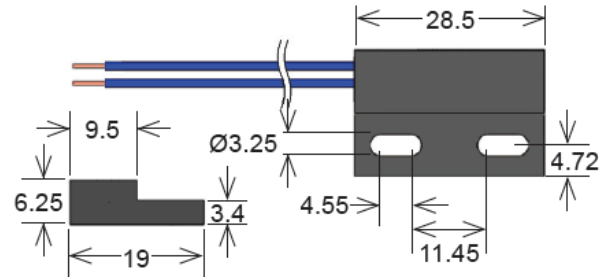


MK21 Series Reed Sensors



- 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	
Contact Data				
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	A
Carry Current (max.) DC or peak AC	1.25	2,5	1.0	A
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

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 ²)	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

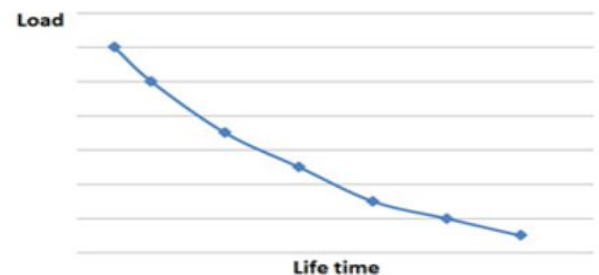


Handling & Assembly Instructions

- 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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Magnetic Sensor Development Tools](#) category:

Click to view products by [Standexmeder](#) manufacturer:

Other Similar products are found below :

[AS5134 AB](#) [MMC5633NJL-B](#) [MIKROE-1647](#) [MIKROE-1646](#) [EVAL-CN0332-PMDZ](#) [AS5510-WL_EK_DB](#) [ADA4571R-EBZ](#) [AS5170A-SO_EK_AB](#) [4366](#) [AS5013-QF_EK_AB](#) [AS5040 DB V2](#) [AS5047D-TS_EK_AB](#) [AS5048A-EK-AB-STM1.1](#) [AS5048-TS_EK_DB](#) [AS5050A-QF_EK_AB](#) [AS5132 AB](#) [AS5132 DB](#) [AS5132-PB](#) [AS5145B-EK-AB-STM1.0](#) [AS5147P-TS_EK_AB](#) [AS5162-EK-AB](#) [AS5172B-TS_EK_AB](#) [AS5247-MF_EK_SB](#) [AS5247U-TQ_EK_AB](#) [AS5247U-TQ_EK_SB](#) [AS5306-TS_EK_AB](#) [AS5311-TS_EK_AB](#) [AS5510-SOIC8-AB](#) [AS5600-SO_EK_AB](#) [AS5600-SO_EK_ST](#) [AS5601-SO_EK_ST](#) [AS5601-SO_RD_ST](#) [AS5X47U-TS_EK_AB](#) [SD4Y-EK-XX](#) [USB I&P BOX](#) [EVAL-CN0323-SDPZ](#) [EVAL-CN0368-SDPZ](#) [DFR0033](#) [S2GO3DSENSETLV493DTOBO1](#) [S2GOCURSENSETLI4970TOBO1](#) [TLE5012BE5000MS2GOTOBO1](#) [TLE5014PROGKITTOBO1](#) [EVB90316-DC](#) [EVB90316-GO](#) [EVB90333-DC](#) [EVB90393](#) [EVB922xx](#) [MMC5983-B](#) [EXTENSION BOARD V.4.0](#) [HAL USB PROGRAMMER TOOL V.1.0](#)