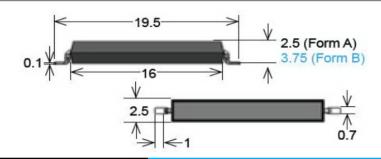


Series Datasheet – MK15 Reed Sensors

www.standexmeder.com

MK15 Series Reed Sensors



Features: Supplied in Tape & Reel, J-Lead, Excellent for Low Power Operations

MK 15-0-X

- Applications: On/Off Control Switch, Position Detection, Switching Element & Others
- Markets: Appliance, Telecommunication, Security, Medical & Others

Part Description: Magnetic Sensitivity Lead Design B, C, D, E, F, G 1, 2

Customer Options	Switch Model	Unit
Contact Data	66	Onit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	180	V
Switching Current (max.) DC or peak AC	0.5	А
Carry Current (max.) DC or peak AC	1.0	А
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.2	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.5	ms
Release Time (max.) Measured with no Coil Excitation	0.05	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	1010	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.3	pF



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Housing and Lead Specifications			
Housing Material Mineral Filled Epoxy			
Case Color	Black		
Lead design 1	Flat, straight leads for PCB slot mounting		
Lead design 2	Flat, bent SMD leads		

Environmental Data	Unit		
Shock Resistance (max.) 1/2 sine wave duration 11ms	30	g	
Vibration Resistance (max.)	20	g	
Operating Temperature	-40 to 130	°C	
Storage Temperature	-50 to 130	°C	
Soldering Temperature (max.) 5 sec. max.	260	°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	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

- 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

