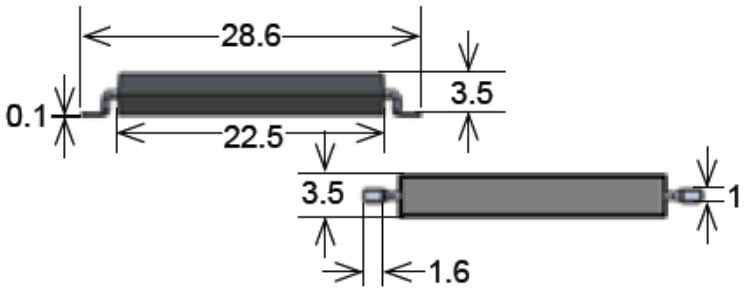
MK30 Series Reed Sensors



- Features: Supplied in Tape & Reel, Excellent for Low Power Operations
- Applications: On/Off Control Switch, Position Detection, Switching Element & Others
- Markets: Appliance, Telecommunication, Security, Medical & Others

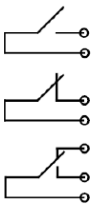
Part Description: MK 30-0-X

Magnetic Sensitivity	Lead Design
C, D, E	2

Customer Options	Switch Model	Unit
Contact Data	**85**	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	100	W
Switching Voltage (max.) DC or peak AC	1000	V
Switching Current (max.) DC or peak AC	1	A
Carry Current (max.) DC or peak AC	2.5	A
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	1.5	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	1.1	ms
Release Time (max.) Measured with no Coil Excitation	0.05	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^{10}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.5	pF

Housing and Lead Specifications	
Housing Material	Mineral Filled Epoxy
Case Color	Black
Lead design 2	Flat, bent SMD leads

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 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	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

REACH COMPLIANT

RoHS COMPLIANT

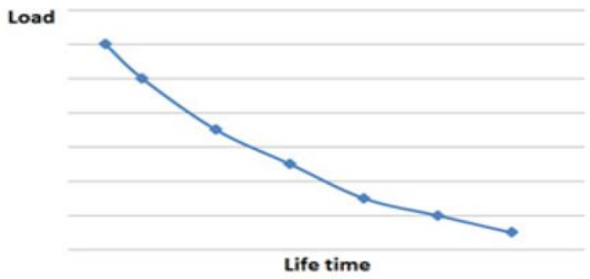
MK30 Reed Sensor

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
- Reflow Soldering Conditions according to JEDEC norm J-STD-020D.1

Life Test Data

*Load increase reduces life expectancy of Reed Switches



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