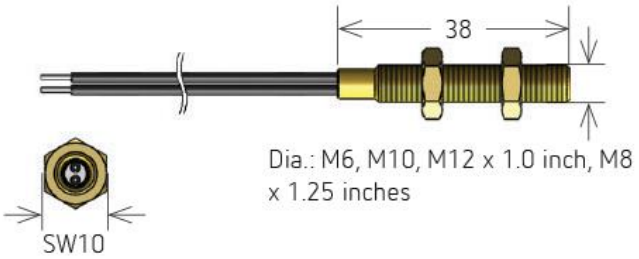
MK11/B Series Reed Sensors (Brass)

- **Features: Cylindrical Reed Sensor, Choice of Cable Termination & Lengths available, Various Case Sizes**
- **Applications: Door & Window Contacts, Safety Control, Position Sensing**
- **Markets: Appliance, Industrial, Security & Others**



Part Description: MK11/B0-0X00X-000X

Thread	Contact Qty	Contact Form	Switch Model	Magnetic Sensitivity	Cable Length (mm)	Termination
M6, M8, M10, M12	1	A, B, C	66, 85, 90	C, D, E	200, 300, 500, 1000, 1500, 2000, 3000, 5000	W = Stripped & Tinned

Customer Options	Switch Model			Unit
Contact Data	66	85	90	
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	1000	175	V
Switching Current (max.) DC or peak AC	0.5	1.0	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	0.25	1.5	0.2	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.7	1.1	0.7	ms
Release Time (max.) Measured with no Coil Excitation	0.05	0.05	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

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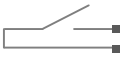
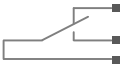
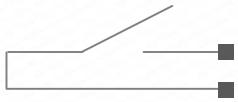
Housing and Lead Specifications	
Housing Material	Brass
Case Color	Brass
Sealing Compound	Polyurethane
Cable Type	Flat Cable/Round Cable
Cable Material	PVC
Cross Section (mm^2)	2 x 0.14 – 0.25 / 3 x 0.14

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature Cable not moved	-30 to 70	°C
Operating Temperature Cable moved	-5 to 70	°C
Storage Temperature	-30 to 70	°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	

Layout

Top View



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

MK11/B Reed Sensor

Handling & Assembly Instructions

- Max torque of nuts depends on thread size M6 = 2Nm , M8 = 6Nm , M10 - M12 = 12Nm
- 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

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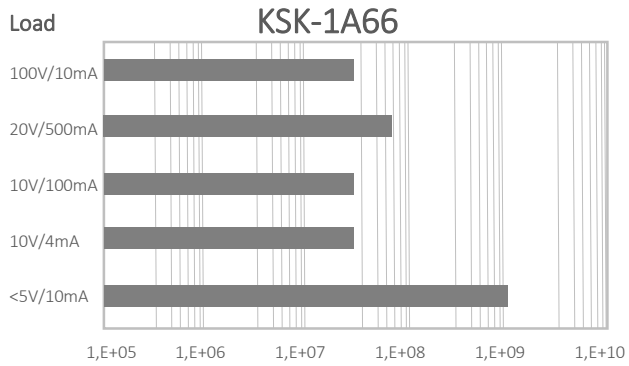
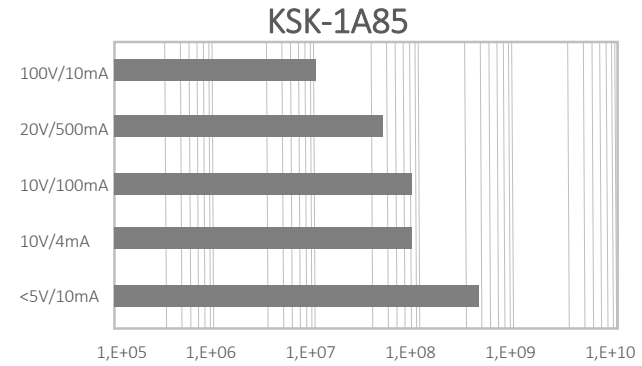
Life Test Data

*Load increase reduces life expectancy of Reed Switches



Life Test Data

*Load increase reduces life expectancy of Reed Switches



Life Test Data

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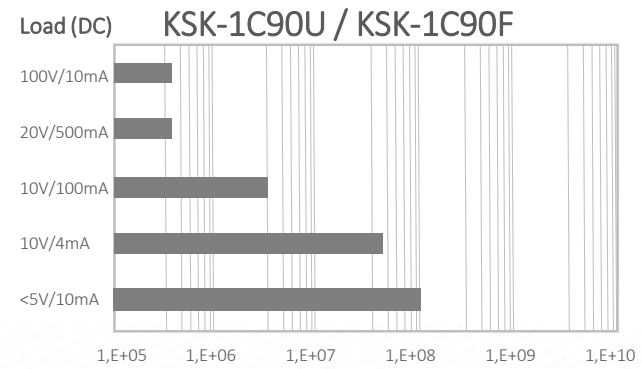

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