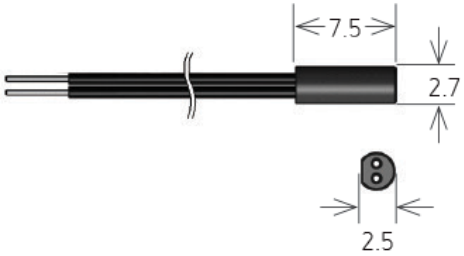
MK20/2 Series Reed Sensors

- **Features: Cylindrical Reed Sensor, Choice of Cable Termination & Lengths available, Various Case Sizes**
- **Applications: Door & Window Contacts, With Magnetic Floats for Water Level Detection, Position Sensing**
- **Markets: Appliance, Industrial, Security & Others**



Part Description: MK20/2-X-000X

Magnetic Sensitivity	Cable Length (mm)	Termination
B, D	100, 200, 300, 500	W = Stripped & Tinned

Customer Options	Switch Model	Unit
Contact Data	04	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	3	W
Switching Voltage (max.) DC or peak AC	30	V
Switching Current (max.) DC or peak AC	0.3	A
Carry Current (max.) DC or peak AC	0.5	A
Contact Resistance (max.) @ 0.5V & 50mA	200	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.1	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.25	ms
Release Time (max.) Measured with no Coil Excitation	0.15	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^{10}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.1	pF

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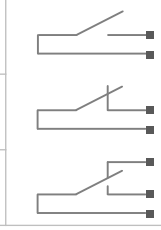
Housing and Lead Specifications

Housing Material	PBT 30% GF
Case Color	Black
Sealing Compound	Polyurethane
Cable Type	Single Wires
Cable Material	PVC
Cross Section (mm^2)	2 x 0.06

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

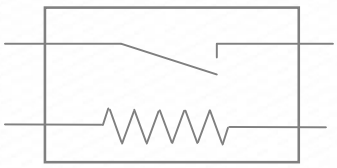
Glossary Contact Form

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.	B	C	D	E
AT	10-15	15-20	20-25	25-30

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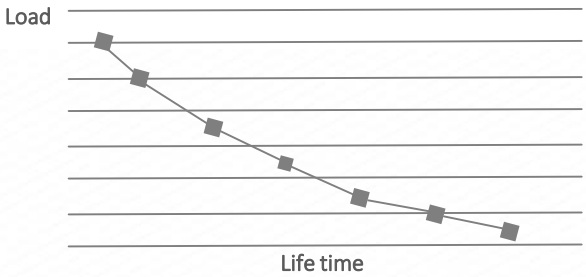
Handling & Assembly Instructions

- Max torque of screw 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



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