MK20/1 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: MK 20/1-X-000X

Magnetic Sensitivity	Cable Length (mm)	Termination
B, C, D, E	100, 200, 300, 500	W (5mm uninsulated & tinned)

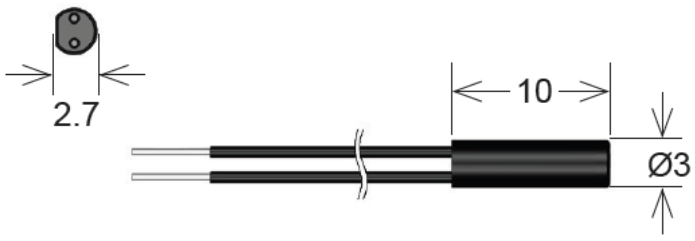
Contact Data	Switch Model	Unit
	80 (A-NO)	
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	170	V
Switching Current (max.) DC or peak AC	0.5	A
Carry Current (max.) DC or peak AC	0.5	A
Contact Resistance (max.) @ 0.5V & 50mA	200	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.21	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	0.6	ms
Release Time (max.) Measured with no Coil Excitation	0.05	ms
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^9	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.4	pF

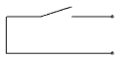
Please note: All technical specifications on this datasheet refer to the standard product range. For deviating values, please contact us!

Housing and Cable Specifications	
Housing Material	PBT 30% GF
Case Color	Black
Sealing Compound	Polyurethan
Cable Typ	Single Wires
Cable Material	PVC
Cross Section (mm²)	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

Dimensions



Glossary Contact Form		
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw	

Glossary Magnetic Sensitivity				
Sens.	B	C	D	E
AT	10-15	15-20	20-25	25-30

General 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
- Load increase reduces life expectancy of Reed Switches

REACH COMPLIANT RoHS COMPLIANT cULus

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