

DESCRIPTION

MK19 sensors are magnetically operated Reed proximity switches. The sensor should be mounted on a fixed surface with the actuating magnet on the moving surface. Introduction or removal of the magnetic field determines the closing and opening of the Reed Switch.

FEATURES

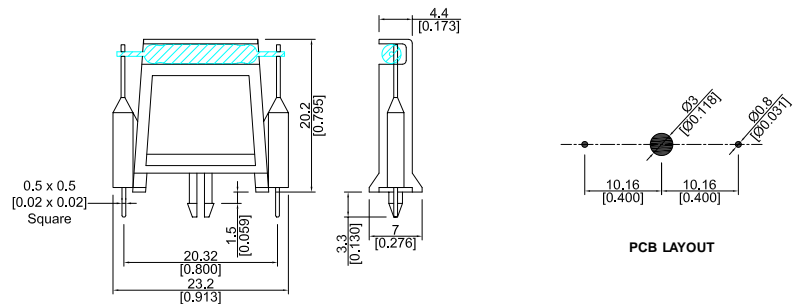
- Tall stand off package for PCB mounting
- High power switches available
- Three operate sensitivities available
- Optional cover available

APPLICATIONS

- **Telecommunications**
Receiver hook switch
- **Air conditioning and clean room systems**
Filter condition detection
- **Pneumatic and hydraulic cylinders**
Position detection
- **Machine industry**

DIMENSIONS

All dimensions in mm [inches]



MAGNETIC SENSITIVITY

SENSITIVITY CLASS	PULL IN AT RANGE
B	10 - 15
C	15 - 20
D	20 - 25

Part Number Example

MK19 - C

C is the magnetic sensitivity

ORDER INFORMATION

SERIES	MAGNETIC SENSITIVITY
MK19 -	X
OPTIONS	B, C, D

Reed Sensors in
Tall Package for
PCB Mounting

CONTACT DATA

All data at 20 °C	Contact Form -->	Form A			
Contact Ratings	Conditions	Min.	Typ.	Max.	Units
Contact Rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching Voltage	DC or peak AC			200	V
Switching Current	DC or peak AC			0.5	A
Carry Current	DC or peak AC			1.25	A
Static Contact Resistance	w/ 0.5V & 10mA			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5V & 50mA 1.5 ms after closure			200	mΩ
Insulation Resistance across Contacts	100 Volts applied	10 ⁹			Ω
Breakdown Voltage across Contacts	Voltage applied for 60 sec. min.	225			VDC
Operate Time, incl. Bounce	Measured w/ 50% overdrive			0.7	ms
Release Time	Measured w/ no coil suppression			0.1	ms
Capacitance	@ 10kHz across contact		0.2		pF
Contact Operation *					
Must Operate Condition	Steady state field	10		25	AT
Must Release Condition	Steady state field	4		22	AT
Environmental Data					
Shock Resistance	1/2 sine wave duration 11ms			50	g
Vibration Resistance	From 10 - 2000 Hz			20	g
Ambient Temperature	10 °C/ minute max. allowable	-20		85	°C
Storage Temperature	10 °C/ minute max. allowable	-35		85	°C
Soldering Temperature	5 sec. dwell			260	°C
<p>Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch. * These ranges refer to the uncut / unmodified Reed Switches described in our Reed Switch section. Consult factory if more detail is required.</p>					