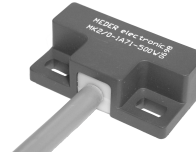


DESCRIPTION

These reed proximity switches operate when in the presence of magnetically conductive material. Instead of an actuating magnet, only a simple piece of iron is required to operate the sensor - from the front or from above. The standard cable is UL listed and is round twin core 2 x 0.35 mm² (AWG22).



FEATURES

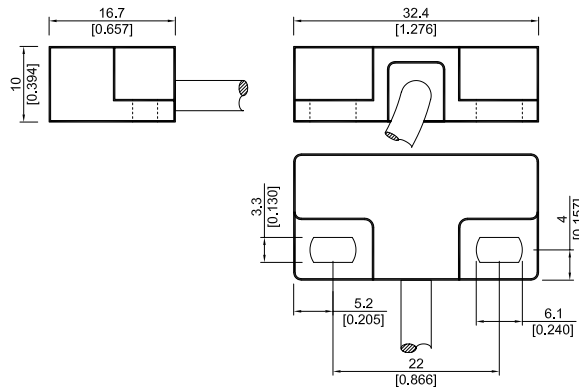
- Form A and B are available
- High power switches available
- Other cables, connectors and colors available
- A choice of switch terminations and cable lengths are available

APPLICATIONS

- Industrial applications
- End travel sensing limit switch in pneumatic cylinders
- Position control
- Control functions in plant and utility vehicles
- Security applications
- Door and window control
- Opening recognition contact
- Fire protection doors

DIMENSIONS

All dimensions in mm [inches]



ORDER INFORMATION

Part Number Example

MK2/0 - 1A71 - 500 W

MK2/0 is the front operation series

1A is the contact form

71 is the switch model

500 is the cable length (mm)

W is the termination

	SERIES	CONTACT FORM	SWITCH MODEL	CABLE LENGTH (mm)	TERMINATION
	MKX/X -	XX	XX -	XXX	X
OPTIONS	2/0, 2/1 2/2*, 2/3*	1 Form A	71	500 **	W, X, Y, S*
		1 Form B	90		
* S option only available with 2/2 and 2/3 .					
** Other cable lengths are available					

CONTACT DATA

All data at 20 °C	Switch Model --> Contact Form -->	Contact 71 Form A			Contact 90 Form B			
Contact Ratings	Conditions	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Contact Rating	Any DC combination of V & A not to exceed their individual max.'s			10			3	W
Switching Voltage	DC or peak AC			200			175	V
Switching Current	DC or peak AC			0.5			0.25	A
Carry Current	DC or peak AC			1.25			1.2	A
Static Contact Resistance	w/ 0.5V & 10mA			150			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5V & 50mA 1.5 ms after closure			200			250	mΩ
Insulation Resistance across Contacts	100 Volts applied	10 ¹⁰ *			10 ⁹			Ω
Breakdown Voltage across Contacts	Voltage applied for 60 sec. min.	225 *			200			VDC
Operate Time, incl. Bounce	Measured w/ 100% overdrive			0.5			0.7	ms
Reset Time	Measured w/ no coil suppression			0.1			1.5	ms
Capacitance	@ 10kHz across contact		0.2			1.0		pF
Contact Operation **								
Must Operate Condition	Steady state field	4.5		10	3.0		8.5	mm
Must Reset Condition	Steady state field	5.5		13.5	4.0		12	mm
Environmental Data								
Shock Resistance	1/2 sine wave duration 11ms			30			30	g
Vibration Resistance	From 10 - 2000 Hz			10			10	g
Ambient Temperature	10 °C/ minute max. allowable	-20		85	-20		85	°C
Storage Temperature	10 °C/ minute max. allowable	-35		85	-35		85	°C
Soldering Temperature	5 sec. dwell			260			260	°C

Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch.
* Insulation resistance of 10¹² and breakdown voltage of 480 VDC is available.
** These ranges refer to the uncut / unmodified Reed Switches described in our Reed Switch section. Consult factory if more detail is required.