

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).



APPLICATIONS

- Form A and B are available
- Other cables, connectors and colors available
- Activation from the front or from above
- Sabotage loop available

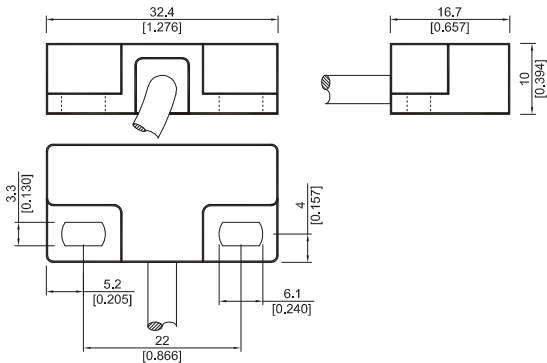
- Industrial applications
- End travel sensing limit switch in pneumatic cylinders
- Position control
- Control functions in plant and utility vehicles
- Security applications
- Door and window control
- Opening recognition contact
- Fire protection doors

FEATURES

DIMENSIONS

All dimensions in mm [inch]

Series
MK02/0



TERMINATION

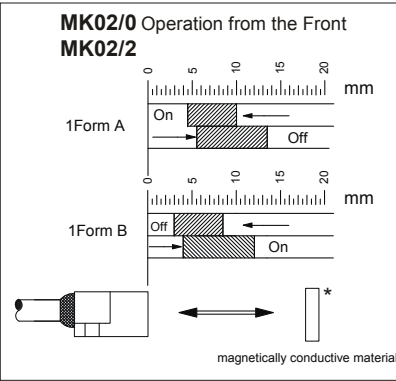
W		The cable cut length includes: 5 mm of wire stripped and tinned.
----------	---	---

For wire and termination details please consult factory.

Ferromagnetic Metal
Detection Sensors

OPERATION EXAMPLE

For best operation it is recommended that you **DO NOT** mount these sensors on any ferromagnetic material **OR** use any ferromagnetic screws.



* Dimension (mm): 3 x 12 x 32

The standard cable is a 4-wire round - core 4 x 0.14 mm² (cable sheath and wires are white) forming a sabotage loop. See example of this loop to the right.

ORDER INFORMATION

Series	Contact Form	Switch Model	Cable Length (mm)	Termination	Sabotage Loop	Operation
MKX/X -	XX	XX -	XXX	X		
02/0	1 A	66	500*	W	No	Front
* other cable lengths available.						

Part Number Example

MK02/0 - 1A66 - 500 W

MK02/0 is the front operation series
1A is the contact form
66 is the switch model
500 is the cable length (mm)
W is the termination

CONTACT DATA

All Data at 20° C	Switch Model → Contact Form →				Switch 66 Form A						
Contact Ratings	Conditions	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Switching Power	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/ 0.5 V & 10 mA						150				mO
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA , 1.5 ms after closure						200				mO
Insulation Resistance across Contacts	100 volts applied				10 ¹⁰ *						O
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.				225*						VDC
Operation Time incl. Bounce	Measured w/ 100 % overdrive						0.5				ms
Release Time	Measured w/ no coil suppression						0.1				ms
Capacitance	at 10 kHz cross contact					0.2					pF
Environmental Data											
Shock Resistance	1/2 sinus wave duration 11 ms						30				g
Vibration Resistance	From 10 - 2000 Hz						10				g
Ambient Temperature	10°C/ minute max. allowable				-20		85				°C
Stock Temperature	10°C/ minute max. allowable				-35		85				°C
Soldering Temperature	5 sec.						260				
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch. * Insulation resistance of 10 ¹² and breakdown voltage of 480 VDC is available.											

°C