

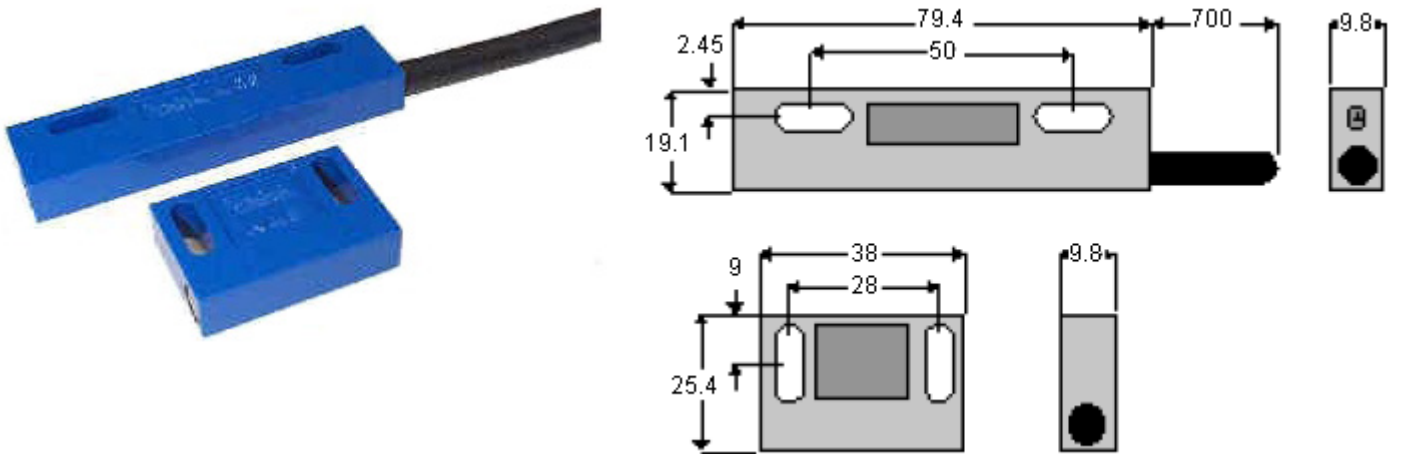
Sensors

Reed Proximity Sensors / Switches (sometimes referred to as magnetic sensors) are inherently reliable due to their simple construction and sealed reed switch contacts. They will give millions of operations at the stated ratings. Applications are numerous and examples of Reed Proximity Switch / Sensor applications can be found in most industries.

These devices are very tolerant to misalignment and are particularly suited to environments that are contaminated by dust, liquid and where non-contact interlocking or hygiene is a consideration.

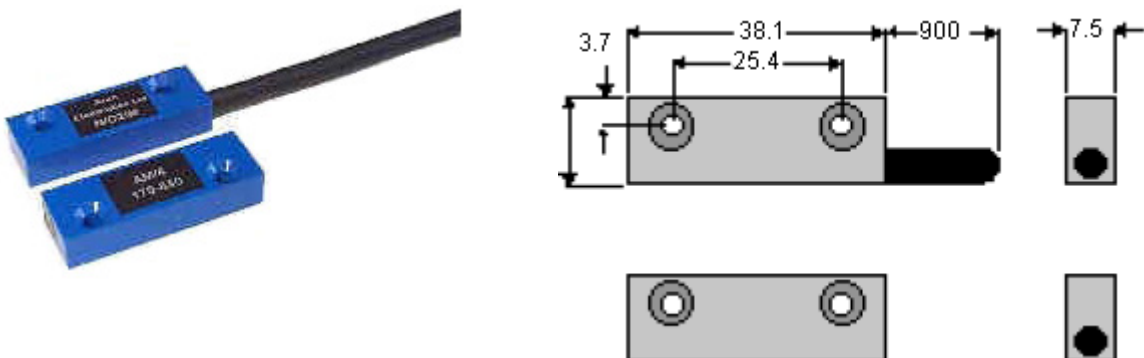
Reed proximity sensors consist of two parts, the reed switch and the actuator magnet. The reed switch will change state when the actuator magnet comes into close proximity to it, there does not have to be any physical contact between the reed switch and actuator. There are up to three operating faces for both the reed switch and the actuator. The operating distance can be varied by the choice of actuator magnet. Both the reed switches and actuator magnets are housed in rugged cases and are suitable for use in harsh environments, some of the switches are able to switch heavy loads directly. The switch configurations are available with normally open or changeover contacts.

Heavy Duty Magnetic Reed Sensor and Actuator Magnet



Dimensions : Millimetres

Miniature Heavy Duty Reed Sensor and Actuator Magnet



Dimensions : Millimetres

Proximity Switch



Key Benefits

- Reliable
- Non-contact operation
- Tolerant to misalignment
- Voltage free contacts

Specifications Table

Specifications	Symbol	170839
Contact Form	-	C/O
Maximum Rating	VA*	3
Maximum Voltage	dc	175
Maximum Switching Current	A	0.25
Maximum Carry Current	A	1
Contact Resistance	mΩ	150
Hold Off Voltage	dc	200
AM/4 Pull In / Make	mm	13
AM/4 Pull In / Make	mm	13
AM/5 Pull In / Make	mm	19

* do not exceed product of $V \times A$

Part Number Table

Description	Part Number
Proximity Switch, 0.25 A	C/03/M

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