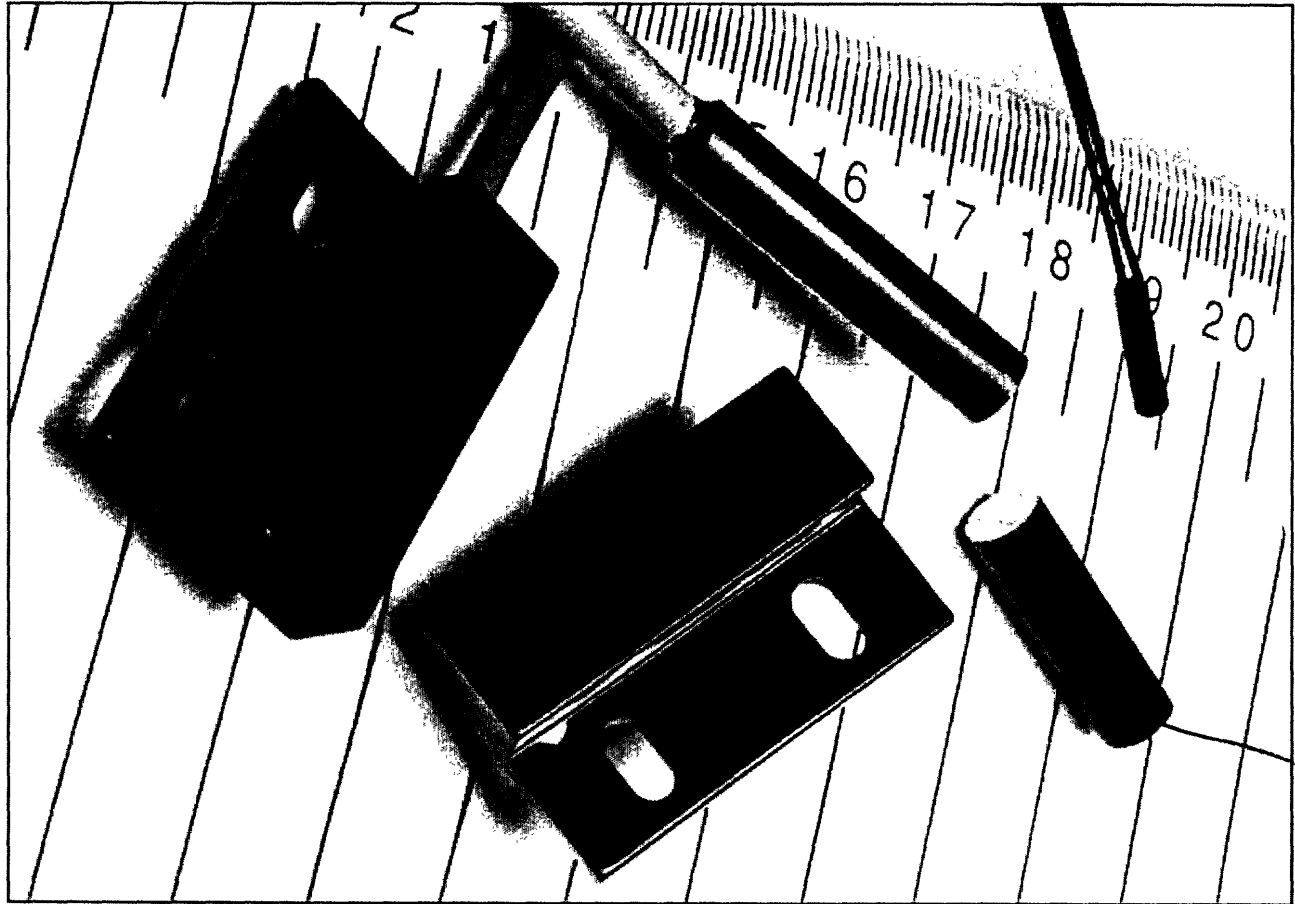


ASSEMtech
EUROPE

TECHNICAL SPECIFICATION SHEET

Switches: Magnetic Proximity
Rectangular**Special Features**

- Fully sealed contacts
- Proven reliability
- Range of contact styles
- No maintenance
- Easy fitting

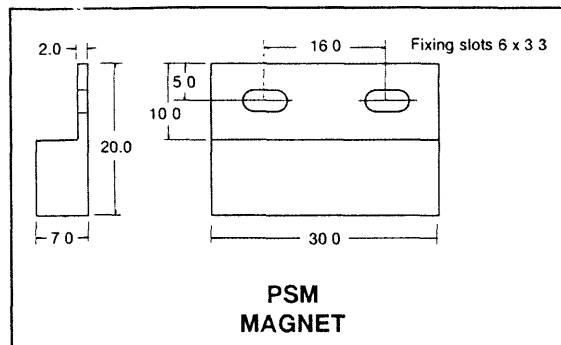
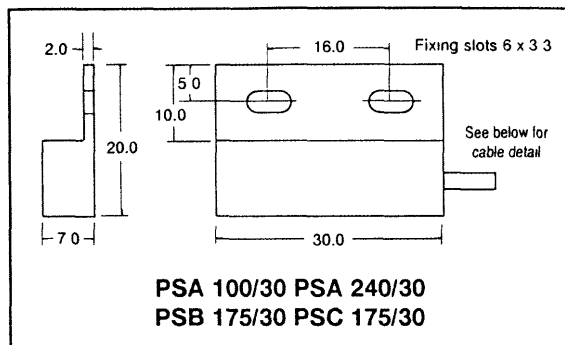
Applications

- Safety systems
- Position sensing
- Level sensing
- Security and anti-tamper
- Flow sensing

Magnetic Proximity Switches report the location of an important item that must be monitored. Whether the door is open or closed, the flow on or off, the level rising or falling, or the piston at the end of its stroke, a proximity sensor can report the status. When a moving actuator (magnet assembly) reaches a predetermined distance from the sensor, contacts will open or close permitting signal currents to flow.

Telephone: 01255 862236 / 862001 Fax: 01255 862014

SWITCHES + SENSORS



PART NUMBER		PSA 100/30	PSA 240/30	PSB 175/30	PSC 175/30
CONTACT FORM/STYLE		A/OPEN	A/OPEN	B/CLOSED	C/CHANGEOVER
SWITCHING VOLTAGE	Max. Vac	100	240	175	175
SWITCHING CURRENT	Max. A	0.25	0.5	0.25	0.25
SWITCHING CAPACITY	Max. VA	5	10	5	5
CONTACT RESISTANCE	Max. mΩ	200	100	150	150
SWITCHING DISTANCE	Min. mm	8.0	8.0	8.0	8.0
OPERATING TEMPERATURE	Deg. °C	-20° + 70°	-20° + 70°	-20° + 70°	-20° + 70°
STORAGE TEMPERATURE	Deg. °C	-25° + 70°	-25° + 70°	-25° + 70°	-25° + 70°
CASE MATERIAL		Polystyrene			
CABLE		<p>2 x Round 0.14² PVC covered and insulated</p>	<p>2 x Round 0.14² PVC covered and insulated</p>	<p>2 x Round 0.14² PVC covered and insulated</p>	<p>3 x Round 0.14² PVC covered and insulated White: Common Green: N/O Brown: N/C</p>
MAGNET: Alcomax fitted into a Polystyrene housing		PSM	PSM	PSM	PSM

Contact sales office for additional ranges of magnets and switches.

CONTACT PROTECTION

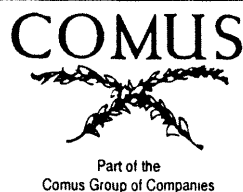
The proximity switch will have a reduced lifetime in cases of a higher load or an inductive or capacitive load. Inductive loads produce an inverse high voltage when switched off which may exceed the breakdown voltage of the switch and generate arcing. A protective diode or R/C link should be fitted.

Capacitive loads cause excessively high currents in the switch during charging and dis-charging which may cause welding of the switch. A protective resistor should be fitted.

Our engineers will be pleased to assist you with advice on all our products.

As part of our company's policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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For further details contact:

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BS5750/ISO 9002
Reg. No. FM 21080

SWITCHES + SENSORS