



730841

POSITION SENSORS

FPM8

PS8 SPECIFICATION NO. PS812/97

19716

The Gentech PS Series of magnetic reed switch position sensors provides proven reliability and a robust Stainless Steel housing totally encapsulated construction suitable for use even in dirty, oily, greasy, wet and similarly harsh environments. Operated by a similarly packaged (PM Series) magnet. The combination is suitable for direct magnet or shunt operation. PS Series position sensors meet a wide variety of application needs in security and safety systems, office equipment, fluid level sensing and management, construction plant, the automotive and many other industries

DESIGN FEATURES

- Normally Open
- IP67 rated
- 316 Stainless Steel construction
- Adjustable internal fit
- M10 x 1.5 threaded housing
- Robust with high chemical resistance
- Reed switch reliability
- Temperature range up to 120°C
- Adjustable to suit varying wall thickness and protrusions
- PM8 Actuation magnet available

TYPICAL APPLICATIONS

- Security switches
- Interlocked switches
- Pulse generation
- Position indicators
- Materials handling

OPERATIONAL CHARACTERISTICS

| | | |
|--|----------|----------|
| Switch Option | | 01 |
| Contact Configuration | | SPST(NO) |
| Contact ratings Maximum (resistive loads) | Volts DC | 100 |
| | Volts AC | 250 |
| | Amps | 1.0 |
| | Watts | 15 |
| Minimum withstand across open contacts | Volts | 800 |
| Initial Contact resistance | Ohms | 0.25 |

The above contact ratings are for resistive loads. For inductive, capacitive and tungsten filament lamp loads refer to the circuit protection notebook number 8/93/28/3343.

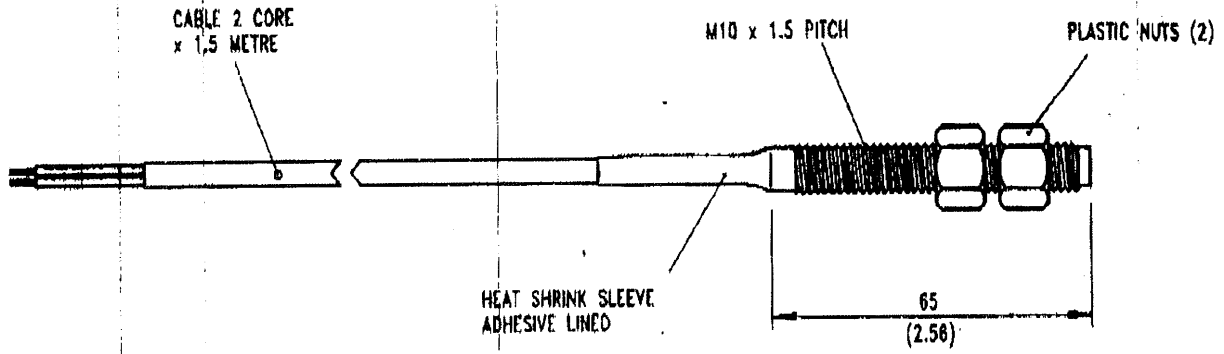
TEMPERATURE RANGE (Operate and Storage)

| | |
|------------------|-----------------|
| Sensor | - 30° TO +120°C |
| Cable insulation | -30° TO +70°C |

ELECTRICAL CONNECTIONS

Fitted with 1.5 metre of 0.5mm² double insulated cable 16/0.2mm stranded PVC insulated cable.

PS801



PM8

Cylindrical magnet typically 45mm long by 10mm diameter.

Operate and release distances when actuated end to end:

- Operate by 12mm
- Release by 30mm

PART NUMBERING SYSTEM

SENSOR UNITS

8 THREADED STAINLESS STEEL

SWITCH OPTION

0 | 1 SPST NORMALLY OPEN

MAGNET UNITS

RANGE

8 UNPROTECTED



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