**QM/140**

**Pneumatic proximity switch**

- Port size: Ø 3 mm
- Optical pressure indicator signals position
- Non-contact sensing with pneumatic output

**Technical features**

**Medium:**
Compressed air, filtered and non-lubricated

**Operation:**
Pneumatic proximity switch for non-contact sensing via a magnetic field

**Operating pressure:**
2 ... 6 bar (29 ... 87 psi)

**Connections:**
Pipes for 3 mm I/D tubing

**Vibration resistance:**
10 ... 50 Hz (to IEC 68 T. 2-27)

**Shock resistance:**
500 m/s² over a period of 5 ms (to IEC 68 T. 2-27)

**Flow rate:**
40 l/min

**Orifice size:**
2 mm

**Repeatability:**
± 0.2 mm

**Can be used with cylinder:**
Ø 10 ... 100 mm

**Operating temperature:**
-15 ... +60°C (+5 ... +140°F)

**Humidity and water content:**
Air supply must be dry. Corresponding to the application and working conditions the air must be dry enough to avoid condensate. The pressure dewpoint must be minimum 15° under the application and working conditions.

**Materials**
Body: Plastic
Pipe connectors: Brass
Holding strap: CU ZU 37 (brass)

**Dimensions**

**Accessories**

- Cyl. Ø
- Switch mounting brackets *1)

Accessories: QM/140/010/22

*1) In scope of delivery

**Warning**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under "Technical features/data". Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren GmbH. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.