

Parker Product Datasheet



The Parker pneumatic sensor fittings have a unique sensor that detects the pressure drop when a cylinder reaches the end of its stroke.

They produce a pneumatic or electric output signal when the pressure drop below their back pressure threshold.

PART NUMBER: 7828 00 17

SHAPE: Pneumatic / electric sensor female

CONNECTION 2 TUBE O.D. (MM): na

CONNECTION 2 TUBE O.D. (INCH): na

CONNECTION 1 THREAD SIZE (METRIC): G3/8

CONNECTION 1 THREAD STYLE: BSPP

GRIPPING RING: na

PRODUCT OVERVIEW

The Parker pneumatic sensor fittings have a unique sensor that detects the pressure drop when a cylinder reaches the end of its stroke.

They produce a pneumatic or electric output signal when the pressure drop in the exhaust chamber of the cylinder goes below their back pressure threshold.

Features/Benefits:

- Easy-to-Use

- Suited to changes of series: no adjustment to position detectors is necessary

- With Pneumatic Output

- Totally pneumatic installation
- 2 possible installations:

Supplied with permanent pressure (P1): produces a pneumatic signal when the back pressure threshold is reached

Supplied from the control valve-cylinder circuit on the opposite side: no unexpected pneumatic signal (S) can appear during pressurisation due to the actuating pressure which supplies the sensor fitting (P1)

- With Electrical Output

- Combined electrical and pneumatic installation
- Installation with continuous electrical supply only (BU)
- Guarantees an electrical signal when the back pressure threshold is reached

Markets:

- Factory Automation
- Wearing Apparel
- Semiconductor
- Packaging

Application:

- Pneumatic Circuits Pressure Drop Detection

Technologies:

- Pressure sensor
- Electric sensor
- Pneumatic sensors
- Pneumatic installation
- Pressure regulator
- Pneumatic system
- Pneumatic fittings

Technical Characteristics:

- Fluids: Compressed air
- Materials: brass, technical polymer, NBR, silicone free
- Pressure: 3 to 8 bar
- Temperature: -15°C to +60°C
- Back pressure: 0.85 to 1 bar
- Switching time: Model 7818: 3ms

Regulations:

- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)
- DI: 97/23/EC (PED)

Product Types:

- Pneumatic Sensor Fitting, Male BSPP and Metric Thread
- Pneumatic Sensor, Male/Female BSPP Thread
- Pneumatic/Electric Sensor, Male/Female BSPP and Metric Thread

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE

60 °C

DIVISION

Low Pressure Connectors Europe Division

MAXIMUM OPERATING PRESSURE

8 bar

MINIMUM OPERATING TEMPERATURE

-15 °C

SPECIFICATIONS MET

DI: 2002/95/EC (RoHS), RG: 1907/2006 (REACH), DI: 97/23/EC (PED)

MEDIA

Compressed air

APPLICATION

Robotics, Textile, Semi-Conductors, Packaging, Pneumatics

BODY MATERIAL

TECHNICAL POLYMER

O-RING MATERIAL

NBR

WEIGHT

0.184 kg

QUANTITY PER BOX

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