

- 1 Type**  
T For T-groove cylinder
- 2 Connection type**  
S Plug

**Metric table**

Dimensions in: millimeters - inches

Cable length <b>l</b> in meter	<b>d</b>
0.3	3 0.12

**Specification**

- Housing  
Plastic
- Cable (outer sheath)  
Plastic (Polyurethane PUR), black
- Plug  
Plastic, 3-pole
- Knurled screw connection  
Brass, nickel plated  
Freely rotating
- Temperature range:  
-22 °F to +176 °F (-30 °C to +80 °C)
- Protection class IP 65, IP 67
- IP Protection Classes → page 2130
- Elastomer Characteristics → page 2135
- RoHS compliant

**Information**



The GN 3380 sensor detects the piston position of pneumatic cylinders with magnetic pistons. Cylinders installed in pneumatic clamps enable the position detection of the clamp itself by means of this sensor. Upon reaching the switch point, the sensor electronics deliver a high signal, for instance to a machine controller, and also indicate this switch state via the integrated LED display.

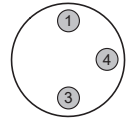
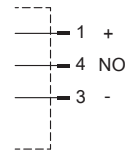
For installation, the sensor is inserted into the cylinder groove from above. The side retaining ribs prevent it from falling out. A quarter turn of the fastening screw quickly and reliably locks the sensor into place in the groove.

see also...

- Pneumatic Swing Clamps GN 875 → page 880
- Heavy Duty Pneumatic Toggle Clamps GN 861 (with Horizontal Mounting Base) → page 844
- Heavy Duty Pneumatic Toggle Clamps GN 863 (with Vertical Mounting Base) → page 852

How to order	1 Type
<b>GN 3380-T-S-0.3</b>	2 Connection type
	3 Cable length <b>l</b>

Electrical properties	
<b>Output function</b>	Normally open (NO)
<b>Output type</b>	PNP
<b>Supply voltage</b>	10 V DC - 30 V DC
<b>Continuous current I<sub>a</sub></b>	≤ 100 mA
<b>Connection type</b> Plug (S)	3-pole plug M8x1, with knurled screw connection, with PUR cable 0.3 m
<b>Switching frequency</b>	1000 Hz
<b>Power consumption</b>	≤ 8 mA
<b>Voltage drop</b>	≤ 2 V
<b>Protection class</b>	III
<b>Response sensitivity</b>	3 mT
<b>Overrun distance</b>	10 mm
<b>Hysteresis</b>	< 0.8 mT
<b>Repeatability</b>	≤ 0.1 mT
<b>Shock and vibration resistance</b>	30 g, 11 ms / 10 to 55 Hz, 1 mm
<b>EMC</b>	According to EN 60947-5-2
<b>Switch state LED</b>	Yes
<b>Reverse polarity protection</b>	Yes
<b>Short-circuit protection</b>	Yes
<b>Approvals, conformity declarations</b> CE marking UL	 



1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

