

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

Metric table

Dimensions in: millimeters - inches

Cable length l in meter	d
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
- Plastic 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...

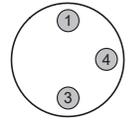
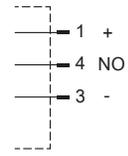
- Pneumatic Swing Clamps GN 875 → page 880
- Heavy Duty Pneumatic Toggle Clamps GN 861 (with Horizontal Mounting Base) → page 844
- Heavy Duty Pneumatic Toggle Clamps GN 863 (with Vertical Mounting Base) → page 852

Accessory

- Cable with connector coupling
GN 330-M8X1-3-G-2
(for extension) → page XYZ

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

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



1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

