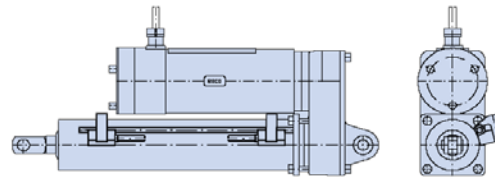




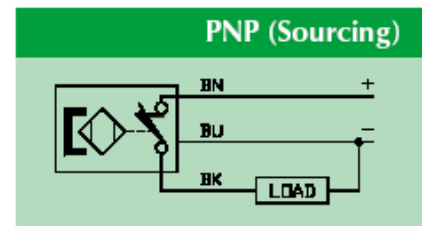
# RACO Proximity Switch

The RACO Proximity Switch is uniquely designed for the detection of end of stroke limits in linear actuators.

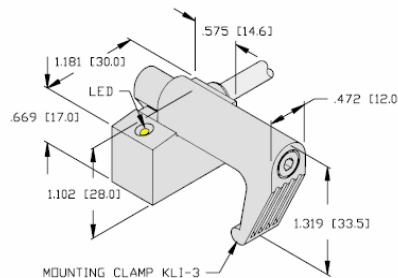
With the clamping mechanism the proximity switch can be easily adjusted to suit customers stroke requirements. The internal yellow LED makes it very easy to set up the initial desired end of stroke limits.



The position detection is based on a magnetic field emitted by a permanent magnet mounted in the nut assembly of the actuator. The proximity switches are mounted on the external round rail. The rail is inserted into the dovetail groove of the aluminum shield tube.



The electrical design follows the fail safe design principals. That means the circuit is closed as long as the actuator is in the permissible range and opens if the end limit is reached. Furthermore, with this design, broken wire detection is also included with the end of stroke limit indication.



**Magnetic Inductive Sensor**

**Clamp-On Style**

**Robust Die-Cast Zinc Housing**

**3- Wire, 10-30VDC**

**Short Circuit & Overload Protected**

**Normally Closed**

**PNP (Sourcing)**

**Six Foot Cable Connection**

**Wide Temperature Range**

Ripple . . . . .	≤10%
Differential Travel (Hysteresis) . . . . .	≤1 mm
Voltage Drop Across Conducting Sensor . . . . .	≤2.0 V
Trigger Current for Overload Protection . . . . .	≥220 mA
Continuous Load Current . . . . .	≤200 mA
Off-State (Leakage) Current . . . . .	≤10 μA
No-Load Current . . . . .	≤8.0 mA
Maximum Approach Velocity . . . . .	≤10 m/s
Time Delay Before Availability . . . . .	≤5 ms
Power-On Effect . . . . .	Per IEC 947-5-2
Reverse Polarity Protection . . . . .	Incorporated
Wire-Break Protection . . . . .	Incorporated
Transient Protection . . . . .	Per EN 60947-5-2
Operating Temperature . . . . .	-25°C to +70°C (-13°F to +158°F)
Enclosure . . . . .	Meets NEMA 1,3,4,6,13 and IEC IP 67
Shock . . . . .	30 g, 11 ms
Vibration . . . . .	55 Hz, 1 mm Amplitude in all 3 Planes
Repeatability . . . . .	≤0.1 mm (constant temperature & voltage)
Temperature Drift . . . . .	≤0.1 mm
Magnetic Actuation Strength . . . . .	20-350 Gauss (2-35 mT)
LED On . . . . .	Output De-Energized

## Specifications