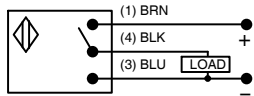


## Features

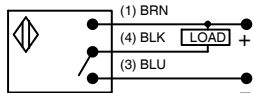
- Metal Housing
- Shielded and Unshielded
- Micro Connector/Cable Types
- RFI Protected
- Short Circuit Protected
- Reverse Polarity Protected
- LED Indicator



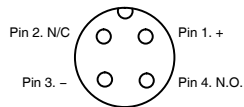
Diag. A – PNP Normally Open



Diag. D – NPN Normally Open



Pinout – Connector Terminated Types

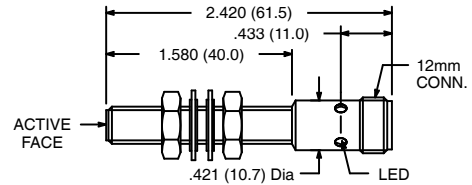


# PRX800 Series

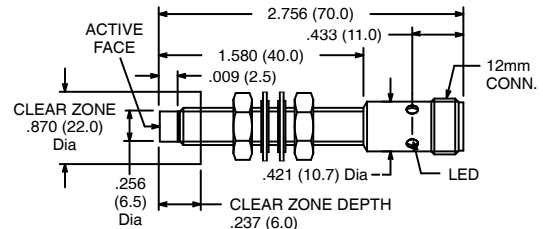


## 8mm Diameter Inductive Proximity Switches.

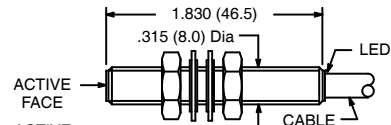
P1



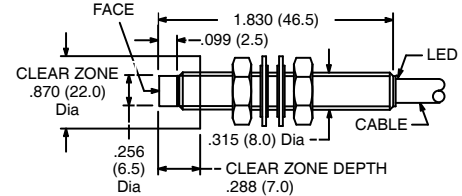
P2



P3



P4



## Ratings and Specifications

NTE Type No.	Output Function		AC Types	Style		Termination	Sensing Distance S <sub>n</sub> (mm)	Operating Voltage (V)	Maximum Switching Frequency (MHz)	Body Length (mm)	Diag. No.	Wiring Diag.
	DC Types			Shielded Flush Mounting	Unshielded Flush Mounting							
	PNP (Source)	NPN (Sink)										
PRX800	N.O.			■		Cable	1.5	10-30 DC	1000	45	P3	A
PRX801	N.O.			■	■	Cable	2.5	10-30 DC	1000	45	P4	A
PRX802	N.O.			■		Connector	1.5	10-30 DC	1000	70	P1	A
PRX803	N.O.			■		Connector	2.5	10-30 DC	1000	72.5	P2	A
PRX830		N.O.		■		Cable	1.5	10-30 DC	1000	45	P3	D
PRX831		N.O.		■	■	Cable	2.5	10-30 DC	1000	45	P4	D
PRX832		N.O.		■		Connector	1.5	10-30 DC	1000	70	P1	D
PRX833		N.O.		■	■	Connector	2.5	10-30 DC	1000	72.5	P2	D

### DC Types (PNP & NPN)

**Load Current (Note 1):** 200mA Max.

**Current Consumption:** 25mA Max. (Activated)  
12mA Max. (Deactivated)

**Voltage Drop:** 2.5V Max.

**Supply Voltage Ripple:** 15% Max.

**Output Resistance:** 2.2KΩ + Diode & LED

**Parallel Cap. to Load:** 0.5μF Max. @ 24 VDC

Note 1. Rated at Maximum Operating Voltage and Temperature.

### General

**Operating Temperature:** -25° to +70°C

**Repeatability:** 5% of S<sub>n</sub>

**Switching Hysteresis:** 15% of S<sub>n</sub>

**Housing:** Nickel Plated Brass

**Diameter:** 8mm

**Thread:** M8 x 1

**Nut Tightning Torque:** Cable Types: 4 Ft. Lbs. Max

Connector Types: 8 Ft. Lbs. Max

**Cable Length/Wire Size:** 3 M/22 AWG

**NEMA ratings:** 4, 4X, 6, 11, 12, 13, 18

### Accessories

PART NO.	DESCRIPTION
PRX9000	DC Connector/Cable Straight
PRX9001	DC Connector/Cable Rt. Angle
PRX9108	Mounting Bracket