

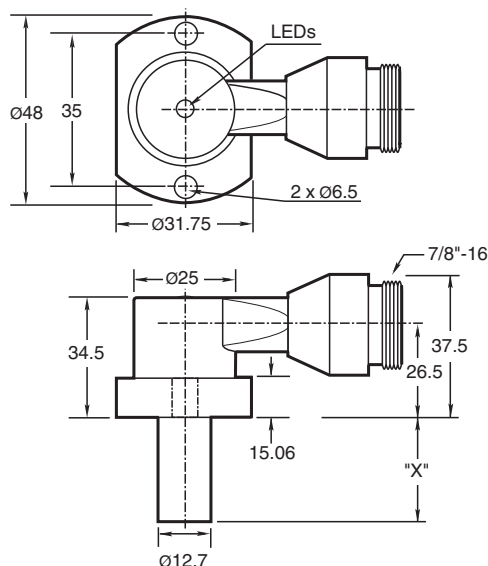
Inductive sensor NJ2-PD-E02-2.875-V95

- 4-wire DC
- Weld Immune
- Sensing range 2 mm
- 3000 psi rating

Cylinder Position Switch



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP/NPN
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{AI}		0.4
Reduction factor r_{304}		0.85
Output type		4-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	30 Hz
Hysteresis	H	10 ... 20 % typ. 15 %
Reverse polarity protection		yes
Short-circuit protection		yes

Release date: 2026-06-05 Date of issue: 2026-06-05 Filename: 904491_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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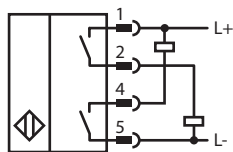
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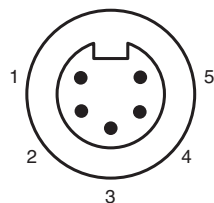
Technical Data

Voltage drop	U_d	$\leq 2 \text{ V DC}$
Operating current	I_L	$\leq 200 \text{ mA}$
Off-state current	I_r	$\leq 100 \mu\text{A}$
No-load supply current	I_0	$\leq 35 \text{ mA}$
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		100 mT
Limit data		
Operating pressure dynamically		3000 psi
Indicators/operating means		
LED green		Power on
LED yellow		Output status
Standard conformity		
Standards		EN 60947-5-2
Approvals and certificates		
UL approval		cULus Listed Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug
Degree of protection		IP67
Material		Housing: zinc Probe: aluminum
Connector		
Threading		7/8 inch-16 UN
Number of pins		5
Mass		222 g
Note		X = 2.875 in (73 mm)

Connection Assignment



Connection Assignment



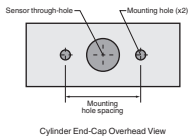
Connection Assignment

Wire colors

1	WH
2	RD
4	OR
5	BK

Additional Information

NPT Type Mounting Holes:
1000 and 3000 psi NPT Types:
Mounting hole screw thread shall be 1/4" - 20.
Minimum thread engagement depth is 0.250" (6.35 mm)
Hole spacing is 35 mm center to center.



Mounting Screws:
Standard 1000 and 3000 psi models use two, self-locking 1/4"- 20 socket head cap screws (provided).
Recommended tightening torque: 150 in lb (16.95 N-m).

 **Important:** When using spacers, make certain to maintain the 0.250" (6.35 mm) minimum mounting screw thread engagement.