

Inductive sensor

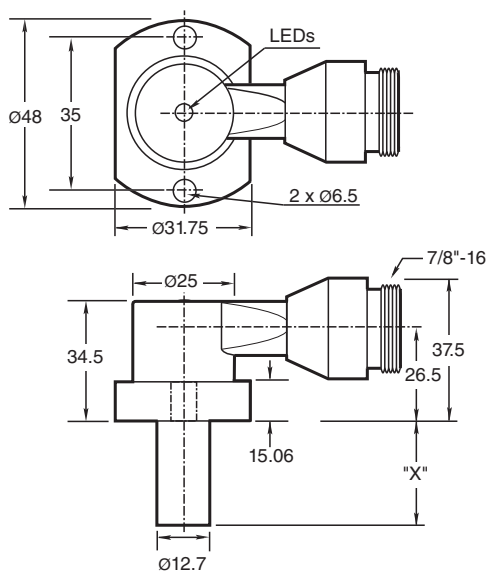
NJ1.5-PD-E02-1.250-V95

- 4-wire DC
- Weld Immune
- Sensing range 1.5 mm
- 3000 psi rating

Proximity sensor



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP/NPN
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.21 mm
Reduction factor r_{AI}		0.4

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

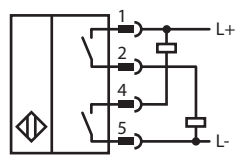
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

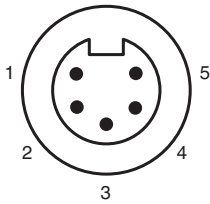
Reduction factor r_{304}		0.85
Output type		4-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	30 Hz
Hysteresis	H	10 ... 20 % typ. 15 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V DC
Operating current	I_L	≤ 200 mA
Off-state current	I_r	≤ 100 μ A
No-load supply current	I_0	≤ 35 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, General Purpose
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		207 g
Note		X = 1.250 in (31.8 mm)

Connection



Release date: 2024-10-17 Date of issue: 2024-10-17 Filename: 904455_eng.pdf

Connection Assignment



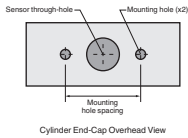
Wire colors

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.