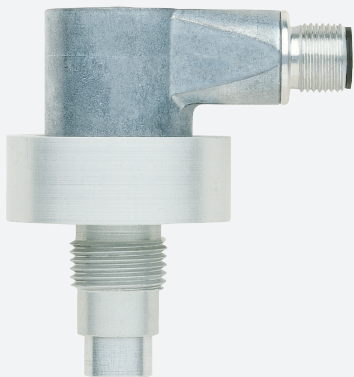




Inductive sensor

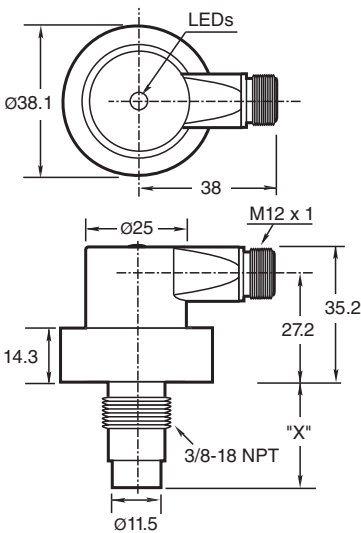
NJ2-C-E02-1.025-V1

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

Cylinder Position Switch



Dimensions



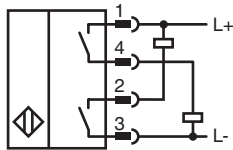
Technical Data

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

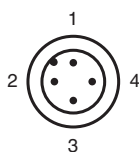
Technical Data

Reduction factor r_{Al}		0.4
Reduction factor r_{304}		0.85
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 30 Hz
Hysteresis	H	10 ... 20 % 15 typ.
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		250 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
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Degree of protection		IP67
Material		Housing: zinc Probe: aluminum
Note		X = 1.025 in (26 mm)

Connection



Connection Assignment



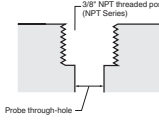
Release date: 2020-04-08 Date of issue: 2020-09-03 Filename: 904458_eng.pdf

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Additional Information

Probe Through-Hole:
Standard probe hole ports are tapped with size 3/8" NPT threading for C series. The minimum probe through-hole diameter is 0.560" (14.22 mm).



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

Accessories

	V1-G-2M-PVC	Female cordset, M12, 4-pin, PVC cable
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