

Cylinder Position Switch

## **Features**

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

#### Accessories

V12-G-YE2M-PVC Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable V12-W-YE2M-PVC Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable SPACER 0.160 TO 0.375 : X.XXX" Spacer for cylinder switches SPACER 0.380 TO 0.875 : X.XXX" Spacer for cylinder switches

Technical Data			
General specifications			
Switching element function			
Rated operating distance			
Installation			
Output polarity			
Assured operating distance			
Reduction factor r <sub>AI</sub>			
Reduction factor r <sub>304</sub>			
Nominal ratings			
Operating voltage			
Switching frequency			
Hysteresis			
Reverse polarity protection			
Short-circuit protection			
Voltage drop			
Momentary current			
(20 ms, 0.1 Hz) Operating current			
Off-state current			
Mag. Field strength, AC fields			
Mag. Field strength, DC fields			
Limit data			
Operating pressure dynamically			
Indicators/operating means			
LED green			
LED red			
LED red/green			
Standard conformity			
Standards			
Ambient conditions			
Ambient temperature			
Mechanical specifications			
Connection type			
Degree of protection			
Material			

Note Approvals and certificates UL approval CSA approval

### **Dimensions**

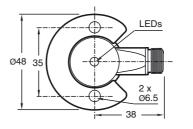
2 mm s<sub>n</sub> flush NO AC/DC 0 ... 1.62 mm 0.4 sa 0.85 20 ... 250 V AC/20 ... 300 V DC  $\mathsf{U}_\mathsf{B}$ 0 ... 20 Hz 10 ... 20 % 15 typ. Н yes yes  $\mathsf{U}_\mathsf{d}$ . ≤7 V  $\leq 3 A$ 8 ... 300 mA < 1.7 mA 250 mT 100 mT 3000 psi Power on Output status Short circuit/overload indication EN 60947-5-2 -25 ... 70 °C (-13 ... 158 °F) Connector 1/2"-20 UN , 3-pin IP67

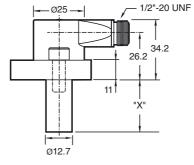
Housing: zinc Probe: aluminum X = 1.025 in (26 mm)

AC/DC

NO

cULus Listed, General Purpose cCSAus Listed, General Purpose

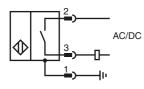




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# NJ2-D-US-1.025-V12

# **Electrical Connection**



# Pinout



#### Wire colors

1	1	GN (green)
2		RD/BK (red/black)
3		RD/WH (red/white)

# 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.

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