

# **Model Number**

NJ2-F-US-1.250-V93

Cylinder Position Switch

## Features

- Weld Immune
- Sensing range 2 mm
- 1000 psi rating
- 2-wire AC/DC

## Accessories

V93-G-YE2M-STOOW Female cordset, 7/8" - 16 UNF, 3-pin, PUR 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	s <sub>n</sub>
Installation	
Output polarity	
Assured operating distance	sa
Reduction factor r <sub>Al</sub>	
Reduction factor r <sub>304</sub>	
Nominal ratings	
Operating voltage	UB
Switching frequency	f
Hysteresis	н
Reverse polarity protection	
Short-circuit protection	
Voltage drop	Ud
Momentary current	
(20 ms, 0.1 Hz)	
Operating current	IL.
Off-state current	l <sub>r</sub>
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

	AC/DC	NO
	2 mm	
	flush	
	AC/DC	NO
	0 1.62 mm	
	0.4	
	0.85	
3	20 250 V A	C/20 300 V DC
	0 20 Hz	
	10 20 % 1	5 typ.
	yes	
	yes	
	≤7 V	
	≤ 3 A	
	8 300 mA	
	< 1.7 mA	
	250 mT	
	100 mT	
	1000 psi	
	Power on	
	Output status	<b>i</b>
		overload indication

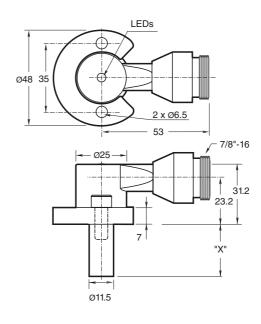
### EN 60947-5-2

-25 ... 70 °C (-13 ... 158 °F)

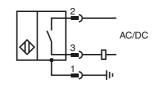
Connector 7/8"-16 UN , 3-pin IP67

Housing: zinc Probe: aluminum X = 1.250 in (31.8 mm)

cULus Listed, General Purpose cCSAus Listed, General Purpose

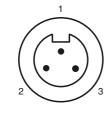


# **Electrical Connection**



Release date: 2015-04-09 17:41 Date of issue: 2015-04-09 906609\_eng.xml

# Pinout



## Wire colors



#### 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).

