

# **Model Number**

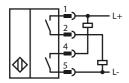
### NJ2-PD-E02-2.062-V95

Cylinder Position Switch

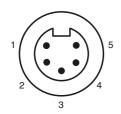
### **Features**

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

## Connection



# **Pinout**



Wire colors

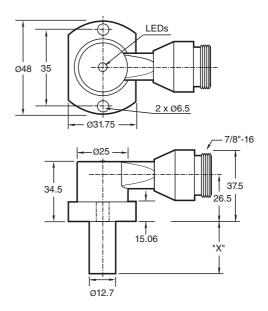
1	1	WH
2		RD
4		OR
5		BK

### **Accessories**

Release date: 2013-01-21 09:49 Date of issue: 2013-01-21 904490\_eng.xml

V95-G-YE2M-STOOW Female connector, 7/8" - 16 UNF, 5-pin, PUR cable

### **Dimensions**



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Rated operating distance Installation Surprise Problem Surprise S
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$ \begin{array}{llllllllllllllllllllllllllllllllllll$
Assured operating distance Reduction factor $r_{Al}$ 0.4 0.85    Nominal ratings Operating voltage UB 10 30 V DC Switching frequency f 30 Hz Hysteresis H 10 20 typ. 15 % Reverse polarity protection yes Voltage drop Ud $\leq 2 \text{ V DC}$ Operating current $l_r$ $\leq 100  \mu\text{A}$ No-load supply current $l_0$ $\leq 35  \text{mA}$ Mag. Field strength, AC fields Mag. Field strength, DC fields $0.45  \text{m}$ 0 1.62 mm $0.4  \text{m}$ 0 1 1.62 mm $0.4  \text{m}$ 0 1 1 1 1 1 1 1
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Reduction factor $r_{304}$ 0.85  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 $U_d$ Operating current $I_c$ Off-state current $I_r$ No-load supply current $I_0$ Mag. Field strength, AC fields Mag. Field strength, DC fields  10 30 V DC  ye 20 V pc $V_0$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Switching frequency f 30 Hz Hysteresis H 10 20 typ. 15 % Reverse polarity protection yes Short-circuit protection yes Voltage drop $U_d$ $\leq 2 \text{ V DC}$ Operating current $I_c$ $\leq 200 \text{ mA}$ 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 $100  \text{mT}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Reverse polarity protection yes Short-circuit protection yes Voltage drop $ \begin{array}{c ccccc} Voltage drop & U_d & & & & \\ & \leq 2 \ V \ DC & & & \\ Operating current & I_L & \leq 200 \ mA & & \\ Off-state current & I_r & & \\ & & & & \\ No-load supply current & I_0 & & \\ Mag. \ Field \ strength, \ AC \ fields & 250 \ mT & \\ Mag. \ Field \ strength, \ DC \ fields & 100 \ mT & \\ \end{array} $
$\begin{array}{llllllllllllllllllllllllllllllllllll$
$\begin{array}{llllllllllllllllllllllllllllllllllll$
$ \leq 2 \text{ V DC} $ Operating current $ I_L \leq 200 \text{ mA} $ Off-state current $ \leq 100  \mu A $ No-load supply current $ \leq 35 \text{ mA} $ Mag. Field strength, AC fields $ \geq 50 \text{ mT} $ Mag. Field strength, DC fields $ \leq 100  \mu A $
$\begin{array}{lll} \text{Operating current} & I_L & \leq 200 \text{ mA} \\ \text{Off-state current} & I_r \\ & \leq 100  \mu \text{A} \\ \text{No-load supply current} & I_0 \\ & \leq 35 \text{ mA} \\ \text{Mag. Field strength, AC fields} & 250 \text{ mT} \\ \text{Mag. Field strength, DC fields} & 100 \text{ mT} \\ \end{array}$
$\begin{array}{c c} \text{Off-state current} & I_r \\ & \leq 100 \ \mu\text{A} \\ \text{No-load supply current} & I_0 \\ & \leq 35 \ \text{mA} \\ \text{Mag. Field strength, AC fields} & 250 \ \text{mT} \\ \text{Mag. Field strength, DC fields} & 100 \ \text{mT} \\ \end{array}$
$ \leq 100 \ \mu \text{A} $ No-load supply current $ \leq 35 \ \text{mA} $ Mag. Field strength, AC fields $ \leq 35 \ \text{mT} $ Mag. Field strength, DC fields $ 100 \ \text{mT} $
≤ 35 mA  Mag. Field strength, AC fields 250 mT  Mag. Field strength, DC fields 100 mT
Mag. Field strength, AC fields 250 mT Mag. Field strength, DC fields 100 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
Ambient conditions
Ambient temperature -25 70 °C (-13 158 °F)
Mechanical specifications
Connection type Device connector 7/8"-16 UN , 5-pin
Protection degree IP67
Material Housing: zinc
Probe: aluminum
Note X = 2.062 in (52.4 mm)
Approvals and certificates
UL approval cULus Listed, General Purpose
CSA approval cCSAus Listed, General Purpose

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.