

The SVF model *NEXUS-LS™* is a reliable and compact position feedback device fitted with two mechanical SPDT switches rated for 5A service. The NEMA 4/4X enclosure is designed for weather-proof protection and corrosion resistance in demanding environments.

NEXUS-LS DESIGN FEATURES

- ✓ NEMA 4/4X (*IP67) enclosure to satisfy outdoor protection
- ✓ "Quickset" cam is spring loaded and requires no special tools for calibration
- ✓ Dual 1/2" NPT conduit entries facilitate wiring in the field and for additional ancillary pilot valve connections
- ✓ Captive cover bolts remain intact during wiring to prevent loss
- ✓ Stainless Steel trim and mounting hardware
- ✓ Rugged and compact design
- ✓ CSA C22.2 No. 94, CSA C22.2 No.14 approvals



MATERIALS AND SPECIFICATIONS

Enclosure	Aluminum Weatherproof NEMA 4/4X (IP67)
Temperature	-4° F to 176 ° F (-20 ° C to 80 ° C)
Conduit Entry	2 X 1/2" NPT
Terminal Strip	8 points
Position Indicator	2-color OPEN-Yellow/CLOSED-Red Other Options Available
External Coating	Polyester Powder Coating
Shaft & Cover Bolts	300 Series Stainless Steel



Wiring Diagram located
inside top cover.

INSIDE VIEW:

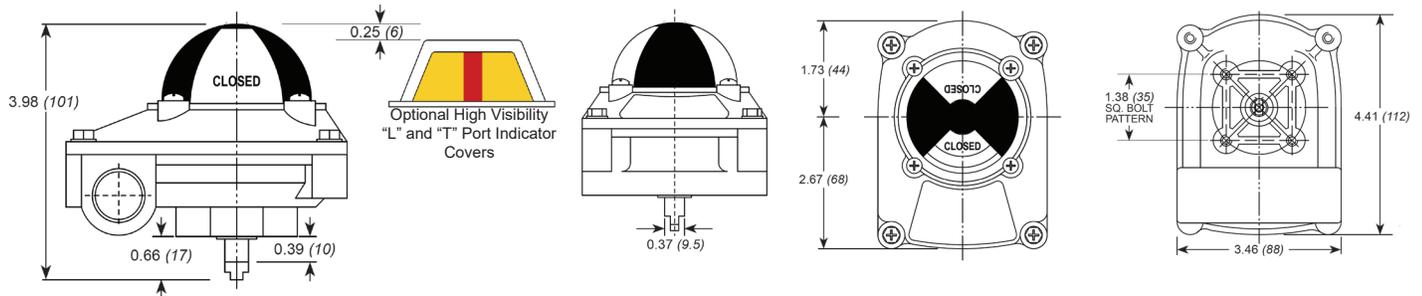


SWITCH SPECIFICATIONS

The NEXUS-LS is available with a Standard Mechanical Switch (2 SPDT), an optional Magnetic Reed Switch, or a variety of optional Proximity Switches. Refer to the How to Order Guide for a list of available switches and power specifications & ratings.

NEXUSLS™ DIMENSIONS

Dimensions shown in inches and (mm)



The overall height of the NEXUS-LS including the mounting bracket is:
 4.48" when installing on aero2 models A2DS-10 ~ A2DS-500 (Quad4 Models Q15 ~ Q45)
 4.88" when installing on aero2 models A2DS-550 ~ A2DS-700 (Quad4 Models Q60 & Q75)

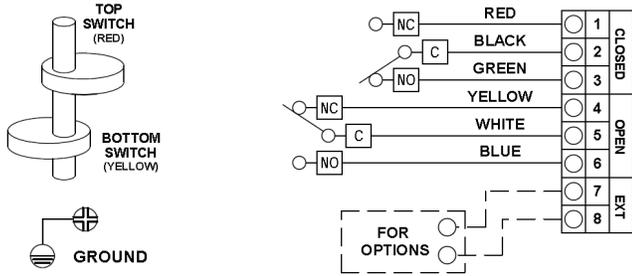
HOW TO ORDER

SERIES*	SWITCHES/SENSORS	POSITION INDICATOR	MOUNTING BRACKET
NEXUSLS= High performance, NAMUR-mount Limit Switch Box, NEMA 4, 4X, IP67 Enclosure	<p>Mechanical Switches M2A= (Standard) 2 SPDT 5A 125-250VAC, 1.5A/24VDC</p> <p>Q30 = Magnetic Reed Switch 2 SPDT 5-240VAC/VDC, 300mA</p> <p>Proximity Sensors P20 = Inductive, NO 2 wire 10-30VDC, 150mA</p> <p>PP0 = (P & F) Inductive, NC 2 wire 8VDC, 1mA</p> <p>P30 = Inductive NPN-NO 3 wire 10-30 VDC, 150mA</p> <p>P3A = Inductive NPN-NC 3 wire 10-30 VDC, 150mA</p> <p>P3B = Inductive PNP-NO 3 wire 10-30 VDC, 150mA</p> <p>P3C = Inductive PNP-NC 3 wire 10-30 VDC, 150mA</p>	<p>Leave Blank for Standard 90 degree Position Indicator, Yellow Open, Red Closed</p> <p>L = High Visibility Three Way "L" Yellow Base, Red Flow Bar</p>  <p>T = High Visibility Three Way "T" Yellow Base, Red Flow Bar</p> 	<p>1= Supplied with a suitable mounting bracket when used with <i>aero2</i> actuators Models A550 thru A700 or Quad 4 actuators Models Q60 thru Q75.</p> <p>Leave Blank for installation on all other SVF Actuators (<i>aero2</i> , Quad 4)</p>
Order Example: (NEXUSLSM2A1)			
NEXUS-LS High Performance, NAMUR-mount Limit Switch Box with Standard Mechanical Switch M2A 15A 125-250VAC, Standard Position Indicator Cap, with mounting bracket for aero2 Actuator (Model A550 ~ A700).			
NEXUSLS	M2A	(BLANK)	1

**NEXUSLS with a mechanically switch is an Intrinsically Safe switch: NEXUSLS limit switch is a simple apparatus / passive device that does not generate or store energy.
 -Simple Aparatus such as switches may be employed in hazardous areas without IS certification provided it does not generate or store more that 1.2V, 0.1A and 25mW*

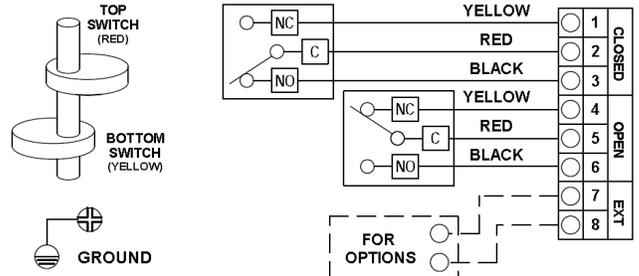
WIRING DIAGRAMS FOR SWITCHES & SENSORS

Wiring Diagram# WDNX2M2A



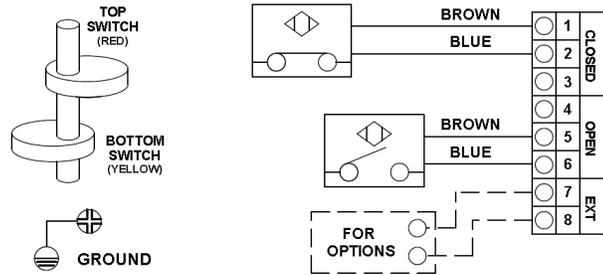
M2A = Mechanical Switches 2 SPDT (Standard)

Wiring Diagram# WDNX2Q30



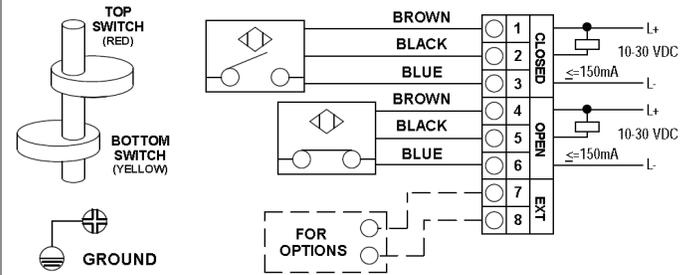
Q30 = Proximity Sensors NC (3-Wire) Magnetic Sensors

Wiring Diagram# WDNX2P20



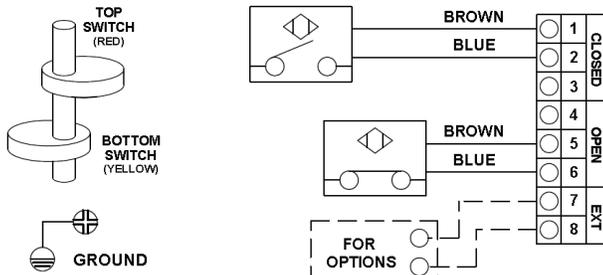
P20 = Proximity Sensors NO (2-Wire) Inductive Sensors

Wiring Diagram# WDNX2P3A



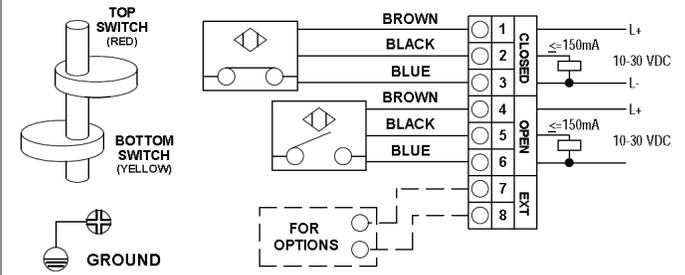
P3A = Proximity Sensors NPN NC (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2PP0



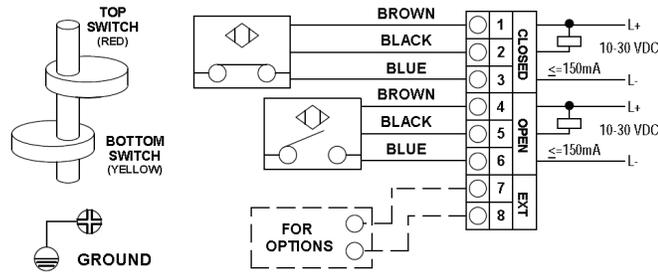
PP0 = Proximity Sensors NC (2-Wire) (P & F) Inductive Sensors

Wiring Diagram# WDNX2P3B



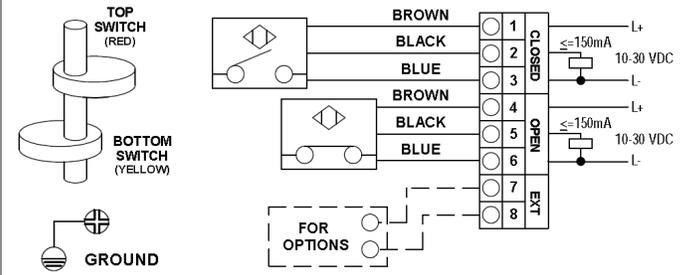
P3B = Proximity Sensors PNP NO (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2P30



P30 = Proximity Sensors NPN NO (3-Wire) Inductive Sensors

Wiring Diagram# WDNX2P3C



P3C = Proximity Sensors PNP NC (3-Wire) Inductive Sensors