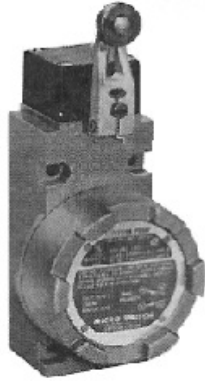


Limit and Enclosed Switches LSX Series

Weather-Sealed Explosion-Proof Switches



FEATURES

- Sealing - applicable portions of NEMA 1, 3, 4, 6, 7, 9, and 13.
- Tracking interchangeability with MICRO SWITCH ML-E1 and HDLS.
- Variety of heads and non-sparking actuators.
- Field adjustability matches switch to application.
- Momentary, maintained, random sequence, or center neutral action.
- 10 amps continuous carry electrical rating.
- Choice of silver or gold contacts.
- 1/2 or 3/4 inch conduit opening.
- UL Listed, file #E61730
- CSA Certified, file #LR57327
- Internal grounding screw.

NEMA standards: 1, 3, 4, 6, 7, 9 and 13. UL listed and CSA certified: Class I, Div. 1, Groups B, C and D. Class II, Div. 1, Groups E, F and G.

LSX switches are for use either indoors or outdoors in hazardous atmospheres as they are a completely sealed explosion-proof device. Mounting hole location and tracking is same as the long established MICRO SWITCH ML-E1 explosion-proof switch.

An optional mounting plate provides the same tracking and mounting as the standard HDLS. The majority of HDLS operating heads and circuitry options are available on the LSX.

Standard HDLS levers are used, but because of explosion-proof requirements, only nylon rollers or other non-sparking material can be selected. Plunger and cat whisker types listed in the LSX order guide are of non-sparking material.

SEALS

Application proven HDLS head seals are retained to seal the top of the LSX. The circular cover on the front is easily unscrewed to expose the switching elements for wiring or replacement. A screwdriver or bar used on the wrenching lugs extending from the front of the cover allows easy removal or tightening. An O-ring seal is located between the housing and cover.

The LSX withstands pressure of an internal explosion and cools the exploding gases below the kindling temperature of the explosive atmosphere. Flame paths are provided by the cover-housing threads and an extended plunger between the switch cavity and head.

MODEL NUMBER: LSXYAB3K

ORDER GUIDE:

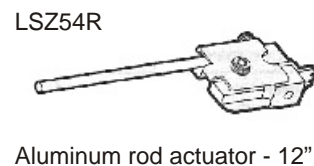
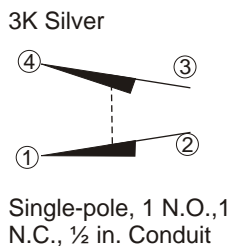
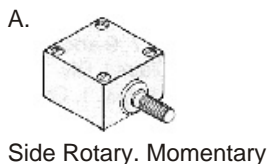
LSX: standard weather-sealed explosion-proof switch

Y and B: low temperature version of switch - fluorosilicone diaphragm and shaft seals (-40C to 121C)

A: side rotary head (momentary)

3K: Silver contacts, 1 N.O. & 1 N.C., 1/2" conduit

Lever for Rotary Actuated Switch: LSZ54R



Limit and Enclosed Switches LSX Series

Weather-Sealed Explosion-Proof Switches

OPERATING CHARACTERISTICS

Rotary actuated switches

	Side Rotary								Top Rotary Momentary	
	Momentary				Maintained	Sequence	Center Neutral	LSXB		
	LSXA Standard	LSXP Low Diff. Travel	LSXR Low Torque	LSXH Low Diff. Low Torque	LSXN	LSXL (Double Pole Only)	LSXM (Double Pole Only)			
Pretravel max.	15°	9°	15°	9°	65°	1st step 15° 2nd step 10° additional		18°	25°	
Overtravel min.	60°	66°	60°	66°	20°	48°		57°	100°	
Differential Travel max.	SPDT 5° DPDT 7°	SPDT 3° DPDT 4°	SPDT 5° DPDT 7°	SPDT 3° DPDT 4°	SPDT 30° DPDT 35°	5°		10°	SPDT 10° DPDT 12°	
Operating Torque max.	0,45 Nm 4 in. lbs.	0,45 Nm 4 in. lbs.	0,19 1.7 in. lbs.	0,19 Nm 1.7 in. lbs.	0,45 Nm 4 in. lbs.	0,45 Nm 4 in. lbs.		0,45 Nm 4 in. lbs.	0,28 Nm 2.5 in. lbs.	
Operating Temp. Range	10 to 250°F -12 to 121°C				30 to 250°F -1 to 121°C		10 to 250°F -12 to 121°C		30 to 250°F -1 to 121°C	

Nm = Newton meters

ELECTRICAL RATINGS

10 amps continuous carry. Circuits on any one pole must be the same polarity.

AC Volts

Pilot duty: 600 VAC, 720VA

DC Volts

Pilot duty: 240 VDC, 30 Watts

Electrical Rating	Circuitry	VAC	Amps at 0.35 Power Factor	
			Make	Break
A	Single-Pole Double Throw	120	60	6
		240	30	3
		480	15	1.5
		600	12	1.2

Electrical Rating	Circuitry	VDC	Make and Break Amps	
			Inductive	Resistive
A	Single-Pole Double-Throw	120	0.25	0.8
		240	0.15	0.4

MOUNTING DIMENSIONS (reference only)

