

# **Honeywell Sensing and Control**

# LSD1A



Series HDLS Plug-in: Top Roller Plunger; 1NC 1NO SPDT Snap Action; 0.5 in - 14NPT conduit

Actual product appearance may vary.

### **Features**

- Wide variety of operating heads
- Field adjustable operating modes, for reduced inventory
- Convenience of on-the-spot adjustment instructions
- Complete choice of circuitry and electrical rating options
- Plug-in and non plug-in versions have identical operating characteristics and are dimensionally interchangeable
- Manifold (rear-wire) version
- Explosion-proof versions
- Low temperature versions to -40•C (-40•F)
- Captive head and body screws
- Designed to withstand seismic
- Stainless steel (NEMA 4X) versions
- Pre-leaded cable or pre-wired connector types
- Epoxy filled wash down (NEMA 6P) types
- Completely fluorocarbon (FC) sealed versions

# **Description**

# Potential Applications

- Machine Tools
- Material Handling
- Packaging
- Presses
- Pulp and Paper
- Welding
- PLC Interface

Sensing and Control offers the world's most advanced line of MICRO SWITCH™ heavy-duty limit switches. These switches include boss-and-socket head design for secure head-to-body retention, unique all-metal drive train for consistent operating characteristics even at high temperature (lasts longer without the need for frequent adjustment than drive trains with plastic parts,) self-lifting pressure plate terminals save wiring time, easily identified grounding terminal (inside) for compliance with OSHA and other regulatory agency standards, one piece flat gasket (seals better than gaskets that go around curves and corners, does not contact terminal pins to reduce chances of fluid migration,) front mounting and interchangeability of single- and double-pole switches, plug-in and non plug-in with one another and with other switch brands, tracking interchangeability of actuator levers for single- and double-pole switches, plug-in and non plug-in, twin shaft seals for an extra measure of protection, inner FC O-ring seal, outer Buna-N seal (all FC available,) FC shaft and diaphragm seals on side rotary switches, rugged corrosion-resistant zinc head and body are phosphate treated and epoxy finished, exclusive teller tab assures proper torque (when it cannot be moved the lever is tight enough to prevent slippage) and domestic and international conduit taps.

Product Specifications	
Availability	Global
Operating Force (O.F.)	17,79 N max. [4 lb max.]
Pretravel (P.T.)	1,78 mm max. [0.070 in max.]
Overtravel (O.T.)	0.190 in min.
Differential Travel (D.T.)	0,38 mm max. [0.015 in max.]
Product Type	MICRO SWITCH™ Heavy-Duty Limit Switches
Actuator	Top Roller Plunger
Circuitry	1NC 1NO Single-Pole Double- Throw, Snap-Action, Double-Break
Ampere Rating	10 A (Thermal)
Supply Voltage	600 Vac and 250 Vdc max.
Housing Material	Zinc Die-Cast
Termination Type	0.5 in - 14NPT conduit
Housing Type	HDLS Plug-in
Series Name	HDLS
Sealing	NEMA 1, 3, 4, 4X, 6, 6P, 12, 13
Approvals	UL listed, CSA Certified, CE Certified, CCC Certified
CSA File #	LR57326/Master Contract 152457
UL File #	E37138
Operating Temperature Range	-12 °C to 93 °C [10 °F to 200 °F]
Comment	Head can be set at 90 degree increments for cam or slide actuation
Agency Approvals and Standards	EN60947-1, EN60947-5-1
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Industrial

SWITCH - ENCLOSED LSA-LSW SERIES
CHART 1

1.50 PLUG-PLUG-IN .840 NON PLUG-IN .740 PLUG POLE TYPE LSC2 and LSC4 \*(LSD6 and LSD7 have  $\frac{1}{2}$  – 14 NPT CONDUIT HOLE) DOUBLE TOP TYPE LSD2 and 180 X .400 LENS (FLUSH WITH HOUSING) 13/64 DIA MTG HOLES (2) 120 LAMP VOLTAGE -TYPE LSC5, LSD5 or LSV5 240 LAMP VOLTAGE. TYPE LSC8, LSD8 or LSV8 TYPE 2 11/32 OR 2.344 MANIFOLD MOUNT (PLUG-IN SINGLE POLE AND DOUBLE 1.535 PLUG-IN AND NON PLUG-IN PLUNGER 800 NON PLUG - IN POLE Щ SINGL TYPE LSD1 THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH CATALOG LISTING

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