



### LS4D1A



**Series HDLS Non Plug-in: Top Roller Plunger; 1NC 1NO SPDT Snap Action; 20 mm**

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 plugin 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 shock  
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

#### Potential Applications

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

#### Description

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.

#### Supporting Documentation

[Installation Instructions](#)

[Engineering Drawing](#)

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	20 mm
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
Operating Position (O.P.)	55,9 mm [2.20 in]

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