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### LS3F1E



Actual product appearance may vary.

**Series HDLS Non Plug-in: Side Roller Plunger; 1NC 1NO SPDT Snap Action; PG13.5**

#### 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 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.)	26,69 N max. [6 lb max.]
Pretravel (P.T.)	2,54 mm max. [0.10 in max.]
Overtravel (O.T.)	0.190 in min.
Differential Travel (D.T.)	0,64 mm max. [0.025 in max.]
Product Type	MICRO SWITCH™ Heavy - Duty Limit Switches
Actuator	Side Roller Plunger
Circuitry	1NC 1NO Single - Pole Double - Throw, Snap - Action, Double - Break
Ampere Rating	0.05 A max.
Supply Voltage	250 Vac and 60 Vdc max.
Housing Material	Zinc Die - Cast
Termination Type	PG13,5
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	Gold Plated Contacts
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.)	44,1 mm [1.735 in]

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All Sensing and Contr

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#### Specification Search