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LS4J1A-7A



Actual product appearance may vary.

Series HDLS Plug-in: Side Rotary; 1NC 1NO SPDT Snap Action; 20 mm

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.)         | 2,78 N max. [10 oz max.]                                            |
| Pretravel (P.T.)               | 25,4 mm [1.0 in]                                                    |
| Product Type                   | MICRO SWITCH™ Heavy - Duty Limit Switches                           |
| Actuator                       | Wobble - Plastic Rod                                                |
| 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                        | 139,7 mm [5.5 in] plastic rod wobble                                |
| Agency Approvals and Standards | EN60947 -1, EN60947 -5-1                                            |
| UNSPSC Code                    | 302119                                                              |
| UNSPSC Commodity               | 302119 Switches and controls and relays                             |
| Sealed                         | Industrial                                                          |

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