

# Honeywell

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*Representative photograph, actual product appearance may vary.*

*Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.*

## LS4A3K-1B

**Series HDLS Non 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

### Typical 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 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.



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Product Specifications	
<b>Availability</b>	Global
<b>Operating Force (O.F.)</b>	0,45 N m max. [4 in lb max.]
<b>Pretravel (P.T.)</b>	15° max.
<b>Overtravel (O.T.)</b>	60° min.
<b>Differential Travel (D.T.)</b>	5° max.
<b>Product Type</b>	Heavy-Duty Limit Switches
<b>Actuator</b>	Side Rotary
<b>Lever Style</b>	1.5 in Fixed Length Lever with front mounted Steel Roller (.75 in dia. x .25 in wide)
<b>Circuitry</b>	1NC 1NO Single-Pole Double-Throw, Snap-Action, Double-Break
<b>Ampere Rating</b>	10 A (Thermal)
<b>Supply Voltage</b>	600 Vac and 250 Vdc max.
<b>Housing Material</b>	Zinc Die-Cast
<b>Termination Type</b>	20 mm
<b>Housing Type</b>	HDLS Non Plug-in
<b>Series Name</b>	HDLS Series
<b>Sealing</b>	NEMA 1, 3, 4, 4X, 6, 6P, 12, 13
<b>Approvals</b>	UL listed, CSA Certified, CE Certified
<b>CSA File #</b>	LR57326/Master Contract 152458
<b>UL File #</b>	E37138
<b>Operating Temperature Range</b>	-12 °C to 121 °C [10 °F to 250 °F]
<b>Comment</b>	Lever Included
<b>Agency Approvals and Standards</b>	EN60947-1, EN60947-5-1
<b>UNSPSC Code</b>	302119
<b>UNSPSC Commodity</b>	302119 Switches and controls and relays
<b>Sealed</b>	Industrial

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### **WARNING**

#### **IF USED IN APPLICATIONS CONCERNING HUMAN SAFETY**

- Only use NC direct opening ("positive opening"/"positive break") contacts, identified by the symbol .
- Do NOT use flexible/adjustable actuators. Only use actuators designed for safety applications
- Do NOT defeat, tamper, remove, or bypass this switch.
- Hazardous voltage, disconnect power before servicing.
- Strictly adhere to all installation and maintenance instructions.
- Consult with local safety agencies and their requirements when designing a machine-control link, interface and all control elements that affect safety

**Failure to comply with these instructions could result in death or serious injury.**

### **WARNING**

#### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

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