

Dual Circuit Vertical Limit Switch with Wobble Stick - Coil Spring with 1.2 mm Diameter Whisker Tip, Rated for 10A @250 VAC



LIMS-5169

Limit Switch

Features

- Double circuit limit switch
- Solid integral cast aluminum alloy housing
- IP65 protection grade
- Long mechanical life

Applications

- Material handling
- OEM machine builders
- Food and beverage packaging
- Conveyor systems
- Machining
- Automotive manufacturing
- Warehouse automation.

Description

The L-com LIMS-5169 dual circuit vertical limit switch is electromechanical device operated by physical force via a wobble stick - coil spring with 1.2 mm diameter whisker tip. This limit switch can be employed in industrial automation to limit the travel of tooling or machinery as well as for object detection and part counting. Applications include material handling, OEM machine builders, food and beverage packaging, conveyor systems, machining, automotive manufacturing, and warehouse automation.

General Specifications

| | |
|--------------------------------|---|
| Type | Limit Switch |
| Insulation Resistance | >100Ω Ohm(<500VDC) |
| IP Rating | IP65 |
| Operating Force | 150 g |
| Contact Resistance | <15Ω Ohm |
| Operating Frequency | 30Times/Min. |
| Operating Speed | 1mm - 2m/s |
| Durability (Mechanical) | >15 million cycles |
| Durability (Electrical) | >0.5 million cycles |
| Vibration | Malfunction Endurance 10-55Hz, 1.5mm (double amplitude) |
| Rated Current | 10A/250VDC |
| Shock Resistance (Destruction) | >1,000m/S ² (>100G) |
| Shock Resistance (Malfunction) | >300m/S ² (>30G) |
| Operating Force | 150g |
| Withstand Voltage Statement 1 | No connection between terminals: 1000VAC50/60HZ lasts 1 minute |
| Withstand Voltage Statement 2 | Between the terminal and the contact: 2200VAC50/60Hz lasts 1 minute |
| Withstand Voltage Statement 3 | Between terminal and no-load current metal: 2200VAC50/60Hz lasts 1 minute |
| Notes, Mechanical | M20x1.5 cable gland included |

Environmental Specifications

| | |
|--------------------|------------------|
| Temperature | |
| Operating Range | -25 to +80 deg C |
| Relative Humidity | 95 % |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Dual Circuit Vertical Limit Switch with Wobble Stick - Coil Spring with 1.2 mm Diameter Whisker Tip, Rated for 10A @250 VAC LIMS-5169](#)

Dual Circuit Vertical Limit Switch with Wobble Stick - Coil Spring
with 1.2 mm Diameter Whisker Tip, Rated for 10A @250 VAC

LIMSW-5169

Limit Switch

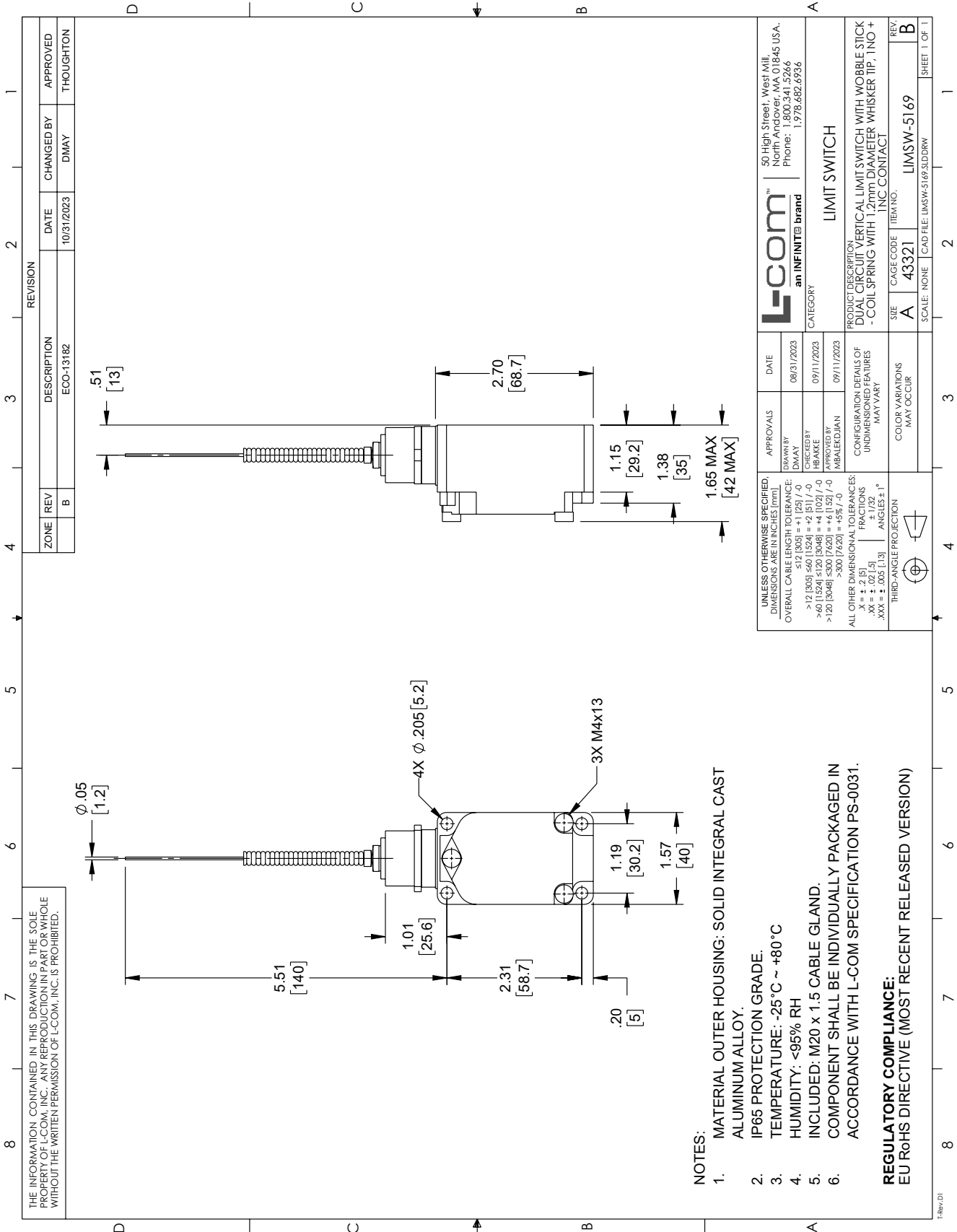


Dual Circuit Vertical Limit Switch with Wobble Stick - Coil Spring with 1.2 mm Diameter Whisker Tip, Rated for 10A @250 VAC from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing



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- NOTES:
1. MATERIAL OUTER HOUSING: SOLID INTEGRAL CAST ALUMINUM ALLOY.
 2. IP65 PROTECTION GRADE.
 3. TEMPERATURE: -25°C ~ +80°C
 4. HUMIDITY: <95% RH
 5. INCLUDED: M20 x 1.5 CABLE GLAND.
 6. COMPONENT SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
|------|-----|-------------|------------|------------|-----------|
| | B | ECO-13182 | 10/31/2023 | DMAY | THOUGHTON |

| | | | |
|--|-----------|---|--|
| an INFINITE brand | | APPROVALS DRAWN BY: DMAY CHECKED BY: HPAKKE APPROVED BY: ABALERDJAN | DATE 08/31/2023 09/11/2023 09/11/2023 |
| CATEGORY LIMIT SWITCH | | 50 High Street, West Mill, North Andover, MA 01845 USA, Phone: 1.800.341.5266 1.978.682.6936 | |
| PRODUCT DESCRIPTION: DUAL CIRCUIT VERTICAL LIMIT SWITCH WITH WOBBLE STICK - COIL SPRING WITH 1.2mm DIAMETER WHISKER TIP, 1NO + 1NC CONTACT | | | |
| SIZE | CAGE CODE | ITEM NO. | REV |
| A | 43321 | LIMSW-5169 | B |
| SCALE: NONE | | | CAD FILE: LIMSW-5169.3DDRW |
| | | | SHEET 1 OF 1 |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES (mm)

OVERALL CABLE LENGTH TOLERANCE:
 s12 [305] = +1 [25] / -0
 >12 [305] <=60 [1524] = +2 [51] / -0
 >60 [1524] <=120 [3048] = +4 [102] / -0
 >120 [3048] <=300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL OTHER DIMENSIONAL TOLERANCES:
 FRACTIONS
 XX = ± .01 [.25]
 XXX = ± .005 [0.127]
 ANGLES ± 1°

THIRD-ANGLE PROJECTION

COLOR VARIATIONS
MAY OCCUR