



Electric Automation
Automation specialists

Reference: LS31P81L02-S
Code: 1SBV030181R1302

LS31P81L02-S Limit Switch

Buy it at Electric Automation Network



LS31P81L02-S Limit Switch

Ordering

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|-------------------------|---------------|
| EAN: | 3471522617088 |
| Minimum Order Quantity: | 5 piece |
| Customs Tariff Number: | 85369085 |

Dimensions

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|---------------------|----------|
| Product Net Width: | 30 mm |
| Product Net Weight: | 0.090 kg |

Container Information

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|-------------------------------|---------------|
| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 118 mm |
| Package Level 1 Height: | 54 mm |
| Package Level 1 Length: | 32 mm |
| Package Level 1 Gross Weight: | 0.09 kg |
| Package Level 1 EAN: | 3471522617088 |

Environmental

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|--------------------------|--|
| Ambient Air Temperature: | Operation -25 ... +70 °C Storage -30 ... +80 °C |
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|---|---|
| Resistance to Shock acc. to IEC 60068-2-27: | Half-sine Pulse for 11 ms, No Change in Contact Position 10 m/s ² |
| Resistance to Vibrations acc. to IEC 60068-2-6: | 5g (10 to 500 Hz) no change in position of contacts greater than 100 µs |

Technical UL/CSA

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| Pilot Duty of Contact Elements acc. UL508: | A600 Q600 |
| Flammability According to UL94: | V0 |

Additional Information

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| Action Type of the Contact Element (acc. to IEC 60947-5-1): | Simultaneous slow action contacts |
| Actuation Speed: | acc. to IEC 60947-5-1Max. 0.50 m/s acc. to IEC 60947-5-1Min. 0.01 m/s |
| Actuator Type: | not delivered - order small latch (key) separately |
| Angular Head Adjustment: | pivoting head continuous between 0° to 360° |
| Climatic Withstand: | according to IEC 68-2-3 and salty mist according to IEC 68-2-11 |
| Connecting Capacity: | AWG 20 ... AWG 14 0.5 ... 2.5 mm ² |
| Connecting terminals (delivered in open position): | M3.5 (+,-) pozidriv 2 screw with cable clamp |
| Consistency (Measured over 1 Million Operations): | 0.1 mm |
| Contact Element Form (acc. to IEC 60947-5-1): | Zb |
| Conventional Free-air Thermal Current (I _{th}): | acc. to IEC 60947-5-1, q = 40 °C 10.0 A |
| Degree of Protection: | acc. to IEC 60529 IP65 |
| Electrical Shock Protection acc. to IEC 536: | Double insulation - Class II |
| Extraction Force: | Minimum Force of the Key acc. to IEC 60947-5-1 10 N |
| IIT Publishing Status: | Level 0 - Information enabled |
| Insertion Force: | Minimum Force of the Key acc. to IEC 60947-5-1 15 N |
| Load Factor: | .5 |
| Maximum Electrical Switching Frequency: | 3600 cycles per hour |
| Maximum Mechanical Switching Frequency: | 600 cycles per hour |
| Mounting by Screws (not supplied): | 2 x M4 screws |
| Mounting Position: | all positions are authorised |
| Movement to be Detected: | small latch (key), front or vertical translation |
| Number and Type of Bottom Cable Glands: | Pg 11 cable gland |
| Number of Auxiliary Contacts NC: | 2 |
| Positive Opening Operation Force (Direct Opening Action): | Minimum Force acc. to IEC 60947-5-1 30 N |
| Positive Opening Operation of NC Contact(s): | Yes |

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| Product Main Type: | LS30 |
| Product Name: | Limit Switch |
| Rated Frequency (f): | Supply Circuit 50 Hz Supply Circuit 60 Hz |
| Rated Impulse Withstand Voltage (U _{imp}): | 6 kV |
| Rated Insulation Voltage (U _i): | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V |
| Rated Operational Current AC-15 (I _e): | (130 V) 5.5 A (230 V) 3.1 A (240 V) 3 A (24 V) 10 A (400 V) 1.8 A |
| Rated Operational Current DC-13 (I _e): | (110 V) 0.6 / 66 A (24 V) 2.8 / 67.2 A (250 V) 0.27 / 67.5 A |
| Resistance Between Contacts: | 25 mΩ |
| Standards: | IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, EN 1088, UL 508, and CSA C22-2 N°14 |
| Terminal Marking: | according to EN 50013 |

Certificates and Declarations (Document Number)

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|------------------------------------|-----------------|
| Data Sheet, Technical Information: | 1SBC141107C0201 |
| Declaration of Conformity - CE: | 1SBD250884C1000 |

Classifications

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|---------|------------------------------------|
| ETIM 4: | EC001829 - Position switch modular |
| ETIM 5: | EC001829 - Position switch modular |
| UNSPSC: | 39121500 |