

PRODUCT-DETAILS

LS40M93B11

LS40M93B11 Limit Switch



General Information

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| Extended Product Type | LS40M93B11 |
| Product ID | 1SBV011193R1211 |
| EAN | 3471522004512 |
| Catalog Description | LS40M93B11 Limit Switch |
| Long Description | LS40M93B11 is a 40 mm wide, standard reinforced Limit Switch made of zinc alloy material (Zamak), with 4 mounting holes at the top and bottom, 1 Pg13.5 cable entry on the bottom, multidirectional stainless steel spring actuator and 1 N.O + 1 N.C snap action (Zb type) contacts |

Ordering

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|------------------------|---------------|
| EAN | 3471522004512 |
| Minimum Order Quantity | 10 piece |
| Customs Tariff Number | 85364900 |

Dimensions

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| Product Net Width | 40 mm |
| Product Net Height | 199 mm |
| Product Net Depth / Length | 44 mm |
| Product Net Weight | 0.215 kg |

Container Information

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| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 45 mm |
| Package Level 1 Height | 200 mm |
| Package Level 1 Depth / Length | 45 mm |
| Package Level 1 Gross Weight | 0.238 kg |
| Package Level 1 EAN | 3471522004512 |
| Package Level 2 Units | 10 piece |
| Package Level 2 Gross Weight | 2.35 kg |

Environmental

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| Ambient Air Temperature | Operation -25 ... +70 °C Storage -30 ... +80 °C |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 25g (10 to 500 Hz) no change in position of contacts greater than 100 µs |
| Resistance to Shock acc. to IEC 60068-2-27 | Half-sine Pulse for 11 ms, No Change in Contact Position 50 m/s ² |
| RoHS Status | Following EU Directive 2011/65/EU |

Technical UL/CSA

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| Pilot Duty of Contact Elements acc. UL508 | A600 Q600 |
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Safety Information

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|------------|------------------------|
| B10d Value | 50 Millions operations |
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Additional Information

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| Action Type of the Contact Element (acc. to IEC 60947-5-1) | Snap action contacts |
| Actuator Type | stainless steel coil spring rod |
| Actuation Speed | acc. to IEC 60947-5-1 Max. 1 m/s acc. to IEC 60947-5-1 Min. 0 m/s |
| Actuation Torque | acc. to IEC 60947-5-1 Min. 0.18 |
| Angular Head Adjustment | adjustable head every 90° |
| Angular Lever Adjustment | none |
| Climatic Withstand | according to IEC 68-2-3 and salty mist according to IEC 68-2-11 |
| Conventional Free-air Thermal Current (I _{th}) | acc. to IEC 60947-5-1, q = 40 °C 10 A |
| Connecting Capacity | Bar AWG 20 ... AWG 14 Bar 0.5 ... 2.5 |
| Consistency (Measured over 1 Million Operations) | 0.05 mm |
| Contact Element Form (acc. to IEC 60947-5-1) | Zb |
| Connecting Terminals (delivered in open position) | M3.5 (+,-) pozidriv 2 screw with cable clamp |

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| Degree of Protection | acc. to IEC 60529 IP66 |
| Electrical Shock Protection acc. to IEC 536 | Class I |
| Maximum Electrical Switching Frequency | 3600 cycles per hour AC-15 3600 cycles per hour DC-13 3600 cycles per hour |
| Mechanical Durability | - |
| Mounting by Screws (not supplied) | 2 or 4 x M5 screws |
| Mounting Position | all positions are authorised |
| Movement to be Detected | Multidirectional Translation Movement |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 1 |
| Number and Type of Bottom Cable Glands | Pg 13,5 Cable Gland |
| Order Multiple | 1 piece |
| Positive Opening Operation of NC Contact (s) | No |
| Product Main Type | LS40 |
| Product Name | Limit Switch |
| Rated Frequency (f) | Supply Circuit 50 60 Hz |
| Rated Impulse Withstand Voltage (U _{imp}) | 6 kV |
| Rated Insulation Voltage (U _i) | acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V |
| Rated Operational Current AC-15 (I _e) | (230 V AC) 3.1 A (240 V) 3 A (400 V) NC 4 A (130 V) 5.5 A (24 V) 10 A |
| Rated Operational Current DC-13 (I _e) | (125 V) 0.55 A (24 V) 6 A (250 V) 0.4 A (110 V) 0.6 A |
| Resistance Between Contacts | 25 E45 |
| RoHS Date | 20171115 |
| Standards | IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA C22-2 N°14 |
| Terminal Marking | according to EN 50013 |
| Terminal for Protective Conductor | M 3.5 (+,-) pozidriv 2 screw with cable clamp |

Certificates and Declarations (Document Number)

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|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC141157C0202 |
| Declaration of Conformity - CE | 1SBD250883U1000 |
| Environmental Information | 1SBD250099E1000 |
| Instructions and Manuals | 1SBC141157C0202 |
| RoHS Information | 1SBD250883U1000 |

Classifications

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|---------------|--|
| ETIM 4 | EC001829 - Position switch modular |
| ETIM 5 | EC001829 - Position switch modular |
| ETIM 6 | EC000030 - End switch |
| ETIM 7 | EC000030 - End switch |
| UNSPSC | 39121500 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Low Voltage Products and Systems → Control Products → Sensors → Limit Switches

