PRODUCT-DETAILS

# LS45P72B11

# LS45P72B11 Limit Switch



## General Information

| | |
|---|---|
| Extended Product Type | LS45P72B11 |
| Product ID | 1SBV012472R1211 |
| EAN | 3471522612359 |
| Catalog Description | LS45P72B11 Limit Switch |
| Long Description | LS45P72B11 is a 40 mm wide, standard reinforced Limit Switch made of fiber-glass reinforced UL-V0 material, with 4 mounting holes at the top and bottom, 1 1/2" NPT cable entry on the bottom, adjustable fiberglass rod lever (Ø3 mm) actuator and 1 N.O + 1 N.C snap action (Zb type) contacts |

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SBC141160C0201 |
| Instructions and Manuals | 1SBC141160C0201 |

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## Dimensions

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|---|---|
| Product Net Width | 41 mm |
| Product Net Height | 195 mm |
| Product Net Depth / Length | 41 mm |
| Product Net Weight | 0.152 kg |

## Technical

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|---|---|
| Action Type of the Contact Element (acc. to IEC 60947-5-1) | Snap action contacts |
| Actuation Speed | acc. to IEC 60947-5-1 Max. 1.5 m/s |
| Actuation Torque | acc. to IEC 60947-5-1 Min. 0.15 N·m |
| Actuator Type | adjustable Ø 6 mm polyamide rod lever |
| Angular Head Adjustment | adjustable head every 90° |
| Angular Lever Adjustment | 9° in 9° |
| B10d Value | Operations 50 Millions |
| 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, Θ = 40 °C 10 A |
| Connecting Capacity | Bar AWG 20 ... AWG 14 mm²<br>Bar 0.5 ... 2.5 mm² |
| Consistency (Measured over 1 Million Operations) | 0.1 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 |
| Degree of Protection | acc. to IEC 60529 IP65 |
| Electrical Shock Protection acc. to IEC 536 | Double insulation - Class II |
| Flammability According to UL94 | V-0 |
| Housing Material | Plastic |
| Maximum Electrical Switching Frequency | 3600 cycles per hour<br>(AC-15) 3600 cycles per hour<br>(DC-13) 3600 cycles per hour |
| Maximum Mounted Auxiliary Contacts | 1 NO, 1 NC |
| Mechanical Durability | 0 cycle |
| Mounting Type | 40 mm (EN 50041) |
| Mounting by Screws (not supplied) | 2 or 4 x M5 screws |
| Movement to be Detected | Fully Directional Translation Movement |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 1 |
| Number and Type of Bottom Cable Glands | 1/2 NPT cable gland |
| Operating Head Shape | D shape acc. EN 50041 |
| Pilot Duty UL/CSA | A600<br>Q600 |
| Positive Opening Operation of NC Contact (s) | No |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 6 kV |
| Rated Operational Current AC-15 ($I_e$) | (230 V AC) 3.1 A<br>(400 V) NC 4 |

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| | |
|---|---|
| | (24 V) 10 A<br>(130 V) 5.5 A<br>(240 V) 3 A |
| Rated Frequency (f) | Supply Circuit 50 / 60 Hz |
| Rated Insulation Voltage ($U_i$) | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V<br>acc. to UL/CSA 600 V |
| Rated Operational Current DC-13 ($I_e$) | (24 V) 6 A<br>(110 V) 0.6 A<br>(125 V) 0.55 A<br>(250 V) 0.4 A |
| Resistance Between Contacts | 25 E45 |
| Short-Circuit Protective Devices | gG Type Fuses 10 A |
| Terminal Marking | according to EN 50013 |

## Environmental

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|---|---|
| Ambient Air Temperature | Operation -25 ... +70 °C<br>Storage -30 ... +80 °C |
| Resistance to Shock acc. to IEC 60068-2-27 | Half-sine Pulse for 11 ms, No Change in Contact Position 50 m/s² |
| Resistance to Vibrations | No Change in Position of Contacts Greater than 100 µs: 25g 10 ... 500 Hz |

## Material Compliance

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|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 1SBD251097E1000 |
| RoHS Information | 1SBD251097E1000 |
| RoHS Status | Following EU Directive 2011/65/EU |
| WEEE B2C / B2B | Business To Business |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Certificates and Declarations

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|---|---|
| CQC Certificate | CQC2004010305127663 |
| cUL Certificate | 9AKK107991A7379 |
| Declaration of Conformity - CCC | 2020980305001785 |
| Declaration of Conformity - CE | 1SBD250883U1000 |
| Declaration of Conformity - UKCA | 1SBD250886U1000 |

## Container Information

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|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 45 mm |
| Package Level 1 Depth / Length | 70 mm |
| Package Level 1 Height | 200 mm |
| Package Level 1 Gross Weight | 0.179 kg |
| Package Level 1 EAN | 3471522612359 |

## Classifications

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|---|---|
| Object Classification Code | B |

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|---|---|
| ETIM 6 | EC000030 - End switch |
| ETIM 7 | EC000030 - End switch |
| ETIM 8 | EC000030 - End switch |
| eClass | V11.0 : 27272601 |
| UNSPSC | 39122213 |
| IDEA Granular Category Code (IGCC) | 5202 >> Limit switch |

## Categories

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



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