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 PRODUCT-DETAILS

# LS30P30B11

## LS30P30B11 Limit Switch




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### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | LS30P30B11  |
| Product ID            | 1SBV010230R1211   |
| EAN                   | 3471522007032   |
| Catalog Description   | LS30P30B11 Limit Switch   |
| Long Description      | LS30P30B11 is a 30 mm wide, standard Limit Switch made of fiber-glass reinforced UL-V0 material, with 2 mounting holes at the top, 1 Pg13.5 cable entry on the bottom, plastic roller lever (Ø12,5 mm) on plastic plunger actuator for horizontal movement and 1 N.O + 1 N.C snap action (Zb type) contacts |

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### Ordering

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

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### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC141157C0202 |
|-----------------------------------|-----------------|

## Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 30 mm    |
| Product Net Height            | 92 mm    |
| Product Net Depth /<br>Length | 30 mm    |
| Product Net Weight            | 0.064 kg |

## Technical

|  |  |
|--|--|
| Action Type of the<br>Contact Element (acc. to<br>IEC 60947-5-1) | Snap action contacts   |
| Actuating Force  | Minimum Force acc. to IEC 60947-5-1 7 N  |
| Actuation Speed  | acc. to IEC 60947-5-1 Max. 1 m/s<br>acc. to IEC 60947-5-1 Min. 0 m/s                 |
| Actuator Type  | plastic roller lever on plastic plunger  |
| Angular Head<br>Adjustment                                       | adjustable head every 90°  |
| Angular Lever<br>Adjustment                                      | none   |
| B10d Value   | Operations 30 Millions   |
| Climatic Withstand   | according to IEC 68-2-3 and salty mist according to IEC 68-2-11                      |
| Conventional Free-air<br>Thermal Current (I <sub>th</sub> )      | acc. to IEC 60947-5-1, $\Theta = 40^\circ\text{C}$ 10 A                              |
| Connecting Capacity  | Bar AWG 20 ... AWG 14 mm <sup>2</sup><br>Bar 0.5 ... 2.5 mm <sup>2</sup>             |
| Consistency (Measured<br>over 1 Million<br>Operations)           | 0.1 mm   |
| Contact Element Form<br>(acc. to IEC 60947-5-1)                  | Zb   |
| Connecting Terminals<br>(delivered in open<br>position)          | M3.5 (+,-) pozidriv 2 screw with cable clamp   |
| Degree of Protection   | acc. to IEC 60529 IP65   |
| Electrical Shock<br>Protection acc. to IEC<br>536                | Double insulation - Class II   |
| Flammability According<br>to UL94                                | V-0  |
| Maximum Electrical<br>Switching Frequency                        | 3600 cycles per hour<br>(AC-15) 3600 cycles per hour<br>(DC-13) 3600 cycles per hour |
| Mechanical Durability  | 15 million   |
| Mounting by Screws (not<br>supplied)                             | 2 x M4 screws  |
| Movement to be<br>Detected                                       | 30° Unidirectional Cam Translation Movement  |
| Number of Auxiliary<br>Contacts NC                               | 1  |
| Number of Auxiliary<br>Contacts NO                               | 1  |
| Number and Type of<br>Bottom Cable Glands                        | Pg 13,5 Cable Gland  |
| Operating Head Shape   | E shape acc. EN 50047  |

|  |   |
|--|---|
| Pilot Duty UL/CSA  | A600<br>Q600  |
| Positive Opening<br>Operation Force (Direct<br>Opening Action) | Minimum Force acc. to IEC 60947-5-1 24  |
| Positive Opening<br>Operation of NC Contact<br>(s)             | Yes   |
| Rated Impulse<br>Withstand Voltage ( $U_{imp}$ )               | 6 kV  |
| Rated Operational<br>Current AC-15 ( $I_e$ )                   | (230 V AC) 3.1 A<br>(400 V) NC 4<br>(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<br>( $U_i$ )                          | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V<br>acc. to UL/CSA 600 V        |
| Rated Operational<br>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<br>Contacts                                 | 25 ms   |
| Short-Circuit Protective<br>Devices                            | gG Type Fuses 10 A  |
| Terminal Marking   | according to EN 50013   |

## Environmental

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

## Material Compliance

|   |  |
|---|--|
| Conflict Minerals<br>Reporting Template<br>(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

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

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 35 mm         |
| Package Level 1 Depth / Length | 32 mm         |
| Package Level 1 Height         | 95 mm         |
| Package Level 1 Gross Weight   | 0.074 kg      |
| Package Level 1 EAN            | 3471522007032 |

### Classifications

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

