



PRODUCT-DETAILS

# LS30P30B11

## LS30P30B11 Limit Switch



360°

| 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 |

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

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

## Dimensions

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

## Technical

|                                                            |                                                                                      |
|------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Action Type of the Contact Element (acc. to 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 Adjustment                                    | adjustable head every 90°                                                            |
| Angular Lever 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 Thermal Current (I <sub>th</sub> )   | acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 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 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                                                                                  |
| Maximum Electrical 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 supplied)                          | 2 x M4 screws                                                                        |
| Movement to be Detected                                    | 30° Unidirectional Cam 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                                                                  |
| 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 <sub>imp</sub><br>)      | 6 kV                                                                            |
| Rated Operational<br>Current AC-15 (I <sub>e</sub> )           | (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 <sub>i</sub> )                  | 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 <sub>e</sub> )           | (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                                                           |

|                                               |                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------|
| <b>Environmental</b>                          |                                                                              |
| 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 µs: 25g 10 ... 500 Hz     |

|                                                   |                                                            |
|---------------------------------------------------|------------------------------------------------------------|
| <b>Material Compliance</b>                        |                                                            |
| 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) |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Certificates and Declarations</b> |                     |
| 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 |

External Classifications and Standards

|                                    |                       |
|------------------------------------|-----------------------|
| 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

