



PRODUCT-DETAILS

# LS35P41B11

## LS35P41B11 Limit Switch



| General Information   |  |
|-----------------------|--|
| Extended Product Type | LS35P41B11   |
| Product ID            | 1SBV012141R1211  |
| EAN                   | 3471522610850  |
| Catalog Description   | LS35P41B11 Limit Switch  |
| Long Description      | LS35P41B11 is a 30 mm wide, standard Limit Switch made of fiber-glass reinforced UL-V0 material, with 2 mounting holes at the top, 1 1/2" NPT cable entry on the bottom, plastic roller lever (Ø18 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                  | 1SBC141160C0201 |

## Manuals

**Dimensions**

|                            |          |
|----------------------------|----------|
| Product Net Width          | 30 mm    |
| Product Net Height         | 106 mm   |
| Product Net Depth / Length | 45 mm    |
| Product Net Weight         | 0.083 kg |

**Technical**

|  |  |
|--|--|
| 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. 0.1 N·m   |
| Actuator Type  | Ø 18 mm polyamide roller lever   |
| Angular Head Adjustment                                    | adjustable head every 90°  |
| Angular Lever Adjustment                                   | 10° in 10°   |
| 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 ( $I_{th}$ )         | 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  |
| 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                                      | 10 million   |
| Mounting Type  | 30 mm (EN 50047)   |
| Mounting by Screws (not supplied)                          | 2 x M4 screws  |
| Movement to be Detected                                    | 30° Cam Translation Movement   |
| Number of Auxiliary Contacts NC                            | 1  |
| Number of Auxiliary Contacts NO                            | 1  |

|   |   |
|---|---|
| Number and Type of Bottom Cable Glands                    | 1/2 NPT plastic adaptor   |
| Operating Head Shape                                      | A shape acc. EN 50047   |
| Pilot Duty UL/CSA   | A600<br>Q600  |
| Positive Opening Operation Torque (Direct Opening Action) | Minimum Torque acc. to IEC 60947-5-1 0.32                                       |
| Positive Opening Operation of NC Contact (s)              | Yes   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )       | 6 kV  |
| Rated Operational 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 (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 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 Contacts                               | 25 ms   |
| Short-Circuit Protective Devices                          | gG Type Fuses 10 A  |
| Terminal Marking  | according to EN 50013   |

## Environmental

|  |  |
|--|--|
| 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/s <sup>2</sup> |
| Resistance to Vibrations                   | No Change in Position of Contacts Greater than 100 µs: 25g 10 ... 500 Hz     |

## Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 1SBD251109E1001  |
| RoHS Information                            | 1SBD251110E1000  |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| 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 Conformity - CCC | 2020980305001785    |
| Declaration of                  | 1SBD250883U1000     |

|                   |                 |
|-------------------|-----------------|
| Conformity - CE   |                 |
| Declaration of    | 1SBD250886U1000 |
| Conformity - UKCA |                 |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 54 mm         |
| Package Level 1 Depth / Length | 32 mm         |
| Package Level 1 Height         | 118 mm        |
| Package Level 1 Gross Weight   | 0.097 kg      |
| Package Level 1 EAN            | 3471522610850 |

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

