

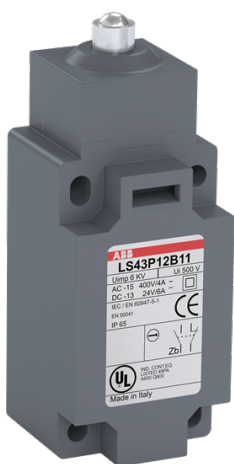



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 PRODUCT-DETAILS

# LS43P12B11

## LS43P12B11 Limit Switch




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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | LS43P12B11  |
| Product ID            | 1SBV010712R1211   |
| EAN                   | 3471522010605   |
| Catalog Description   | LS43P12B11 Limit Switch   |
| Long Description      | LS43P12B11 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 ISO M20x1.5 cable entry on the bottom, stainless steel ball roller plunger actuator and 1 N.O + 1 N.C snap action (Zb type) contacts |

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**Ordering**

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

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**Popular Downloads**

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC141160C0201 |
|-----------------------------------|-----------------|

## Dimensions

|                               |         |
|-------------------------------|---------|
| Product Net Width             | 40 mm   |
| Product Net Height            | 106 mm  |
| Product Net Depth /<br>Length | 41 mm   |
| Product Net Weight            | 0.14 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 22 N                                 |
| Actuation Speed  | acc. to IEC 60947-5-1 Max. 0.5 m/s                                       |
| Actuator Type  | steel ball plunger   |
| Angular Head<br>Adjustment                                       | adjustable head every 90°  |
| Angular Lever<br>Adjustment                                      | none   |
| Climatic Withstand   | according to IEC 68-2-3 and salty mist according to IEC 68-2-11          |
| Conventional Free-air<br>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<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  |
| Housing Material   | Plastic  |
| Maximum Electrical<br>Switching Frequency                        | 3600 cycles per hour   |
| Maximum Mounted<br>Auxiliary Contacts                            | 1 NO, 1 NC   |
| Mechanical Durability  | 15 million   |
| Mounting Type  | 40 mm (EN 50041)   |
| Mounting by Screws (not<br>supplied)                             | 2 or 4 x M5 screws   |
| Movement to be<br>Detected                                       | on end   |
| Number of Auxiliary<br>Contacts NC                               | 1  |
| Number of Auxiliary<br>Contacts NO                               | 1  |
| Number and Type of   | ISO 20 cable gland   |

|  |   |
|--|---|
| Bottom Cable Glands  |   |
| Operating Head Shape   | B shape acc. EN 50041   |
| Pilot Duty UL/CSA  | A600<br>Q600  |
| Positive Opening<br>Operation Force (Direct<br>Opening Action) | Minimum Force acc. to IEC 60947-5-1 66 NEW  |
| Positive Opening<br>Operation of NC Contact<br>(s)             | Yes   |
| Rated Impulse<br>Withstand Voltage ( $U_{imp}$<br>)            | 6 kV  |
| Rated Operational<br>Current AC-15 ( $I_e$ )                   | (230 V AC) 3.1 A<br>(400 V) NC 1.8<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) 690 V<br>acc. to UL/CSA 600 V          |
| Rated Operational<br>Current DC-13 ( $I_e$ )                   | (24 V) 2.8 A / 67.2 W<br>(110 V) 0.6 / 66 A<br>(250 V) 0.27 / 67.5 A              |
| Resistance Between<br>Contacts                                 | 25 E45  |
| 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                     | 1SBD250886U1000     |

Conformity - UKCA

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### Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 120 mm        |
| Package Level 1 Depth / Length | 45 mm         |
| Package Level 1 Height         | 45 mm         |
| Package Level 1 Gross Weight   | 0.16 kg       |
| Package Level 1 EAN            | 3471522010605 |

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### Classifications

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|                            |                       |
|----------------------------|-----------------------|
| Object Classification Code | B                     |
| ETIM 6                     | EC000030 - End switch |
| ETIM 7                     | EC000030 - End switch |
| ETIM 8                     | EC000030 - End switch |
| eClass                     | V11.0 : 27272601      |
| UNSPSC                     | 39121500              |

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### Categories

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

