

## PRODUCT-DETAILS

# LS33P13B02

## LS33P13B02 Limit Switch



### General Information

|                       |                                                                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | LS33P13B02                                                                                                                                                                                                                                           |
| Product ID            | 1SBV012213R1202                                                                                                                                                                                                                                      |
| EAN                   | 3471522003652                                                                                                                                                                                                                                        |
| Catalog Description   | LS33P13B02 Limit Switch                                                                                                                                                                                                                              |
| Long Description      | LS33P13B02 is a 30 mm wide, standard Limit Switch made of fiber-glass reinforced UL-V0 material, with 2 mounting holes at the top, 1 ISO M20x1.5 cable entry on the bottom, plastic roller plunger actuator and 2 N.C snap action (Zb type) contacts |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 3471522003652 |
| Minimum Order Quantity | 10 piece      |
| Customs Tariff Number  | 85364900      |

### Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 30 mm    |
| Product Net Height         | 84 mm    |
| Product Net Depth / Length | 30 mm    |
| Product Net Weight         | 0.064 kg |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 35 mm         |
| Package Level 1 Height         | 95 mm         |
| Package Level 1 Depth / Length | 32 mm         |
| Package Level 1 Gross Weight   | 0.074 kg      |
| Package Level 1 EAN            | 3471522003652 |
| Package Level 2 Units          | 1 piece       |
| Package Level 2 Gross Weight   | 0.07 kg       |

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -25 ... +70 °C<br>Storage -30 ... +80 °C |
| RoHS Status             | Following EU Directive 2011/65/EU                  |

## Technical UL/CSA

|                       |      |
|-----------------------|------|
| Pilot Duty of Contact | A600 |
| Elements acc. UL508   | Q600 |

## Safety Information

|            |                        |
|------------|------------------------|
| B10d Value | 30 Millions operations |
|------------|------------------------|

## Additional Information

|                                                    |                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------|
| Conventional Free-air Thermal Current ( $I_{th}$ ) | acc. to IEC 60947-5-1, q = 40 °C 10 A                                            |
| Degree of Protection                               | acc. to IEC 60529 IP65                                                           |
| Maximum Electrical Switching Frequency             | (AC-15) 3600 cycles per hour<br>(DC-13) 3600 cycles per hour                     |
| Mechanical Durability                              | 0 cycle                                                                          |
| Order Multiple                                     | 1 piece                                                                          |
| Product Main Type                                  | LS30                                                                             |
| Product Name                                       | Limit Switch                                                                     |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )      | 6 kV                                                                             |
| 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 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 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                   |
| RoHS Date                                          | 20171115                                                                         |
| Standards                                          | IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA C22 -2 N°14 |

## Certificates and Declarations (Document Number)

|                                   |                     |
|-----------------------------------|---------------------|
| CQC Certificate                   | CQC2004010305127663 |
| cUL Certificate                   | 9AKK107991A7379     |
| Data Sheet, Technical Information | 1SBC141157C0202     |
| Declaration of Conformity - CCC   | 2020980305001785    |
| Declaration of Conformity - CE    | 1SBD250883U1000     |
| Instructions and Manuals          | 1SBC141157C0202     |
| RoHS Information                  | 1SBD250883U1000     |

**Classifications**

|               |                                                            |
|---------------|------------------------------------------------------------|
| ETIM 4        | EC001829 - Position switch modular                         |
| ETIM 5        | EC001829 - Position switch modular                         |
| ETIM 6        | EC000030 - End switch                                      |
| ETIM 7        | EC000030 - End switch                                      |
| UNSPSC        | 39121500                                                   |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

**Categories**

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

