

## PRODUCT-DETAILS

# LS31M91B11

## LS31M91B11 Limit Switch



### General Information

|                       |                                                                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | LS31M91B11                                                                                                                                                                                                                                                                  |
| Product ID            | 1SBV011791R1211                                                                                                                                                                                                                                                             |
| EAN                   | 3471522634078                                                                                                                                                                                                                                                               |
| Catalog Description   | LS31M91B11 Limit Switch                                                                                                                                                                                                                                                     |
| Long Description      | LS31M91B11 is a 30 mm wide, standard Limit Switch made of zinc alloy material (Zamak), with 2 mounting holes at the top, 1 Pg11 cable entry on the bottom, multidirectional stainless steel spring actuator with rigid end and 1 N.O + 1 N.C snap action (Zb type) contacts |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 3471522634078 |
| Minimum Order Quantity | 10 piece      |
| Customs Tariff Number  | 85364900      |

### Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 30 mm    |
| Product Net Height         | 194 mm   |
| Product Net Depth / Length | 33 mm    |
| Product Net Weight         | 0.164 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 32 mm         |
| Package Level 1 Height         | 202 mm        |
| Package Level 1 Depth / Length | 32 mm         |
| Package Level 1 Gross Weight   | 0.174 kg      |
| Package Level 1 EAN            | 3471522634078 |
| Package Level 2 Units          | 1 piece       |
| Package Level 2 Gross Weight   | 0.18 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, $q = 40\text{ °C}$ 10 A                                   |
| Degree of Protection                               | acc. to IEC 60529 IP66                                                           |
| 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

