Automatización Eléctrica
Especialistas en Automatización

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# LS40P92L20

## General Information

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|---|---|
| **Extended Product Type:** | LS40P92L20 |
| **Product ID:** | 1SBV010592R1320 |
| **EAN:** | 3471522002495 |
| **Catalog Description:** | LS40P92L20 Limit Switch |
| **Long Description:** | LS40P92L20 Limit Switch |

## Categories

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

## Ordering

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|---|---|
| **EAN:** | 3471522002495 |
| **Minimum Order Quantity:** | 10 piece |
| **Customs Tariff Number:** | 85369085 |

## Dimensions

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| **Product Net Width:** | 40 mm |
| **Product Net Weight:** | 0.140 kg |

## Container Information

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|---|---|
| **Package Level 1 Units:** | 1 piece |
| **Package Level 1 Width:** | 200 mm |
| **Package Level 1 Height:** | 45 mm |
| **Package Level 1 Length:** | 45 mm |
| **Package Level 1 Gross Weight:** | 0.14 kg |
| **Package Level 1 EAN:** | 3471522002495 |

## Environmental

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|---|---|
| **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/s² |
| **Resistance to Vibrations acc. to IEC 60068-2-6:** | 25g (10 to 500 Hz) no change in position of contacts greater than 100 µs |

## Technical UL/CSA

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| **Pilot Duty of Contact Elements acc. UL508:** | A600<br>Q600 |
| **Flammability According to UL94:** | V0 |

## Additional Information

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| **Action Type of the Contact Element (acc. to IEC 60947-5-1):** | Simultaneous slow action contacts |
| **Actuation Speed:** | acc. to IEC 60947-5-1 Max. 1.00 m/s<br>acc. to IEC 60947-5-1 Min. 0.06 m/s |
| **Actuation Torque:** | acc. to IEC 60947-5-1 Min. 0.18 N·m |
| **Actuator Type:** | stainless steel flexible rod with insulated end |
| **Angular Head Adjustment:** | adjustable head every 90° |
| **Angular Lever Adjustment:** | none |
| **Climatic Withstand:** | according to IEC 68-2-3 and salty mist according to IEC 68-2-11 |
| **Connecting Capacity:** | AWG 20 ... AWG 14<br>0.5 ... 2.5 mm² |
| **Connecting terminals (delivered in open position):** | M3.5 (+,-) pozidriv 2 screw with cable clamp |
| **Consistency (Measured over 1 Million Operations):** | 0.1 mm |
| **Contact Element Form (acc. to IEC 60947-5-1):** | Zb |
| **Conventional Free-air Thermal Current ($I_{th}$):** | acc. to IEC 60947-5-1, q = 40 °C 10.0 A |
| **Degree of Protection:** | acc. to IEC 60529 IP65 |
| **Electrical Shock Protection acc. to IEC 536:** | Double insulation - Class II |

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| **IIT Publishing Status:** | Level 0 - Information enabled |
| **Load Factor:** | .5 |
| **Maximum Electrical Switching Frequency:** | 3600 cycles per hour |
| **Mechanical Durability:** | 5 million |
| **Mounting by Screws (not supplied):** | 2 or 4 x M5 screws |
| **Mounting Position:** | all positions are authorised |
| **Movement to be Detected:** | Multidirectional Translation Movement |
| **Number and Type of Bottom Cable Glands:** | Pg 13,5 Cable Gland |
| **Number of Auxiliary Contacts NO:** | 2 |
| **Positive Opening Operation of NC Contact(s):** | No |
| **Product Main Type:** | LS40 |
| **Product Name:** | Limit Switch |
| **Rated Frequency (f):** | Supply Circuit 50 Hz<br>Supply Circuit 60 Hz |
| **Rated Impulse Withstand Voltage ($U_{imp}$):** | 6 kV |
| **Rated Insulation Voltage ($U_i$):** | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V<br>acc. to UL/CSA 600 V |
| **Rated Operational Current AC-15 ($I_e$):** | (130 V) 5.5 A<br>(230 V) 3.1 A<br>(240 V) 3 A<br>(24 V) 10 A<br>(400 V) 1.8 A |
| **Rated Operational Current DC-13 ($I_e$):** | (110 V) 0.6 / 66 A<br>(24 V) 2.8 / 67.2 A<br>(250 V) 0.27 / 67.5 A |
| **Resistance Between Contacts:** | 25 mΩ |
| **Standards:** | IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA C22-2 N°14 |
| **Terminal Marking:** | according to EN 50013 |

## Certificates and Declarations (Document Number)

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|---|---|
| **Data Sheet, Technical Information:** | 1SBC001699R1002 |
| **Declaration of Conformity - CE:** | 1SBD250881C2000 |

## Classifications

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| **ETIM 4:** | EC001829 - Position switch modular |
| **ETIM 5:** | EC001829 - Position switch modular |
| **UNSPSC:** | 39121500 |

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