

LS45P51B11

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General Information

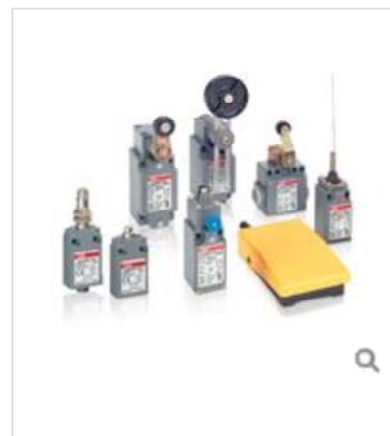
Extended Product Type:	LS45P51B11
Product ID:	1SBV012451R1211
EAN:	3471522611932
Catalog Description:	LS45P51B11

Categories

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

Ordering

EAN:	3471522611932
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85369085



Dimensions

Product Net Width:	40 mm
Product Net Weight:	0.190 kg

Container Information

Package Level 1 Units:	1 piece
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Environmental

Ambient Air Temperature:	Operation -25 ... +70 °C 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 ²
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

Pilot Duty of Contact Elements acc. UL508:	A600 Q600
Flammability According to UL94:	V0

Additional Information

Action Type of the Contact Element (acc. to IEC 60947-5-1):	snap action contacts
Actuation Speed:	acc. to IEC 60947-5-1 Max. 1.50 m/s acc. to IEC 60947-5-1 Min. 0.00 m/s
Actuation Torque:	acc. to IEC 60947-5-1 Min. 0.15 N·m
Actuator Type:	adjustable Ø 22 mm polyamide roller lever
Angular Head Adjustment:	adjustable head every 90°
Angular Lever Adjustment:	9° in 9°
Climatic Withstand:	according to IEC 68-2-3 and salty mist according to IEC 68-2-11
Connecting Capacity:	AWG 20 ... AWG 14 0.5 ... 2.5 mm ²
Connecting terminals (delivered in	M3.5 (+,-) pozidriv 2 screw with cable clamp

open position):

Consistency (Measured over 1 Million 0.1 mm

Operations):

Contact Element Form (acc. to IEC Zb

60947-5-1):

Conventional Free-air Thermal Current (I_{th}): acc. to IEC 60947-5-1, $q = 40\text{ }^{\circ}\text{C}$ 10.0 A

Degree of Protection: acc. to IEC 60529 IP65

Electrical Shock Protection acc. to IEC 536: Double insulation - Class II

IIT Publishing Status: Level 0 - Information enabled

Load Factor: .5

Maximum Electrical Switching Frequency: 3600 cycles per hour

Mounting by Screws (not supplied): 2 or 4 x M5 screws

Mounting Position: all positions are authorised

Movement to be Detected: 30° Cam Translation Movement

Number and Type of Bottom Cable Glands: 1/2 NPT cable gland

Number of Auxiliary Contacts NC: 1

Number of Auxiliary Contacts NO: 1

Positive Opening Operation of NC Contact(s): No

Product Main Type: LS45P

Product Name: Limit Switch

Rated Frequency (f): Supply Circuit 50 Hz
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
acc. to UL/CSA 600 V

Rated Operational Current AC-15 (I_e): (130 V) 5.5 A
(230 V) 3.1 A
(240 V) 3 A
(24 V) 10 A
(400 V) 1.8 A

Rated Operational Current DC-13 (I_e): (110 V) 0.6 / 66 A
(24 V) 2.8 / 67.2 A
(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)

Declaration of Conformity - CE: 1SBD250881C2000