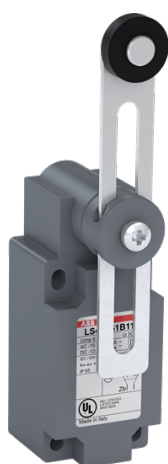


PRODUCT-DETAILS

LS45P51B02

LS45P51B02 Limit Switch



General Information

Extended Product Type	LS45P51B02
Product ID	1SBV012451R1202
EAN	3471522611949
Catalog Description	LS45P51B02 Limit Switch
Long Description	LS45P51B02 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 1/2" NPT cable entry on the bottom, adjustable plastic roller lever (Ø22 mm) actuator and 2 N.C snap action (Zb type) contacts

Ordering

Minimum Order Quantity	10 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC141157C0202
Instructions and Manuals	1SBC141157C0202

Dimensions

Product Net Width	41 mm
Product Net Height	135 mm
Product Net Depth / Length	62 mm
Product Net Weight	0.164 kg

Technical

Action Type of the Contact Element (acc. to IEC 60947-5-1)	Snap action contacts
Actuation Speed	acc. to IEC 60947-5-1 Max. 1.5 m/s acc. to IEC 60947-5-1 Min. 0 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°
B10d Value	Operations 50 Millions
Climatic Withstand	according to IEC 68-2-3 and salty mist according to IEC 68-2-11
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-5-1, $\Theta = 40^\circ\text{C}$ 10 A
Connecting Capacity	Bar AWG 20 ... AWG 14 mm ² Bar 0.5 ... 2.5 mm ²
Consistency (Measured over 1 Million Operations)	0.1 mm
Contact Element Form (acc. to IEC 60947-5-1)	Zb
Connecting Terminals (delivered in open position)	M3.5 (+,-) pozidriv 2 screw with cable clamp
Degree of Protection	acc. to IEC 60529 IP65
Electrical Shock Protection acc. to IEC 536	Double insulation - Class II
Flammability According to UL94	V-0
Maximum Electrical Switching Frequency	3600 cycles per hour (AC-15) 3600 cycles per hour (DC-13) 3600 cycles per hour
Mechanical Durability	0 cycle
Mounting by Screws (not supplied)	2 or 4 x M5 screws
Movement to be Detected	30° Cam Translation Movement
Number of Auxiliary Contacts NC	2
Number and Type of Bottom Cable Glands	1/2 NPT cable gland
Pilot Duty UL/CSA	A600 Q600
Positive Opening Operation of NC Contact (s)	No
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Rated Operational Current AC-15 (I_θ)	(230 V AC) 3.1 A (400 V) NC 4 (24 V) 10 A (130 V) 5.5 A (240 V) 3 A
Rated Frequency (f)	Supply Circuit 50 / 60 Hz
Rated Insulation Voltage	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V acc. to UL/CSA 600 V

(U_i)Rated Operational Current
DC-13 (I_e)(24 V) 6 A
(110 V) 0.6 A
(125 V) 0.55 A
(250 V) 0.4 AResistance Between
Contacts

25 E45

Short-Circuit Protective
Devices

gG Type Fuses 10 A

Terminal Marking

according to EN 50013

Environmental

Ambient Air Temperature

Operation -25 ... +70 °C
Storage -30 ... +80 °CResistance to Shock acc.
to IEC 60068-2-27Half-sine Pulse for 11 ms, No Change in Contact Position 50 m/s²Resistance to Vibrations
acc. to IEC 60068-2-6

25g (10 to 500 Hz) no change in position of contacts greater than 100 µs

RoHS Status

Following EU Directive 2011/65/EU

Certificates and Declarations

CQC Certificate

CQC2004010305127663

cUL Certificate

9AKK107991A7379

Declaration of Conformity
- CCC

2020980305001785

Declaration of Conformity
- CE

1SBD250883U1000

Declaration of Conformity
- UKCA

1SBD250886U1000

Container Information

Package Level 1 Units

box 1 piece

Package Level 1 Width

45 mm

Package Level 1 Depth /
Length

70 mm

Package Level 1 Height

140 mm

Package Level 1 Gross
Weight

0.185 kg

Package Level 1 EAN

3471522611949

Classifications

ETIM 6

EC000030 - End switch

ETIM 7

EC000030 - End switch

ETIM 8

EC000030 - End switch

eClass

V11.1 : 27270601

UNSPSC

39122213

IDEA Granular Category
Code (IGCC)

5202 >> Limit switch

Categories

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

