



PRODUCT-DETAILS

LS45P12B11

LS45P12B11 Limit Switch



General Information

Extended Product Type	LS45P12B11
Product ID	1SBV012412R1211
EAN	3471522611390
Catalog Description	LS45P12B11 Limit Switch
Long Description	LS45P12B11 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, stainless steel ball roller plunger actuator and 1 N.O + 1 N.C snap action (Zb type) contacts

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC141160C0201
Instructions and Manuals	1SBC141160C0201

Dimensions

Product Net Width	41 mm
Product Net Height	105 mm
Product Net Depth / Length	41 mm
Product Net Weight	0.132 kg

Technical

Action Type of the Contact Element (acc. to IEC 60947-5-1)	Snap action contacts
Actuating Force	Minimum Force acc. to IEC 60947-5-1 22 N
Actuation Speed	acc. to IEC 60947-5-1 Max. 0.5 m/s
Actuator Type	steel ball plunger
Angular Head Adjustment	adjustable head every 90°
Angular Lever Adjustment	none
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
Housing Material	Plastic
Maximum Electrical Switching Frequency	3600 cycles per hour (AC-15) 3600 cycles per hour (DC-13) 3600 cycles per hour
Maximum Mounted Auxiliary Contacts	1 NO, 1 NC
Mechanical Durability	15 million
Mounting Type	40 mm (EN 50041)
Mounting by Screws (not supplied)	2 or 4 x M5 screws
Movement to be Detected	on end
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number and Type of Bottom Cable Glands	1/2 NPT cable gland
Operating Head Shape	B shape acc. EN 50041
Pilot Duty UL/CSA	A600 Q600
Positive Opening Operation Force (Direct Opening Action)	Minimum Force acc. to IEC 60947-5-1 66
Positive Opening Operation of NC Contact (s)	Yes
Rated Impulse Withstand	6 kV

Voltage (U_{imp})

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
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Rated Frequency (f)

Supply Circuit 50 / 60 Hz

Rated Insulation Voltage
(U_i)acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V
acc. to UL/CSA 600 VRated Operational Current
DC-13 (I_{θ})(24 V) 6 A
(110 V) 0.6 A
(125 V) 0.55 A
(250 V) 0.4 AResistance Between
Contacts

25 ms

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/s²

Resistance to Vibrations

No Change in Position of Contacts Greater than 100 μ s: 25g 10 ... 500 Hz

Material Compliance

Conflict Minerals
Reporting Template
(CMRT)

9AKK108467A5658

REACH Declaration

1SBD251109E1001

RoHS Information

1SBD251110E1000

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

WEEE B2C / B2B

Business To Business

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

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

47 mm

Package Level 1 Height

130 mm

Package Level 1 Gross
Weight

0.15 kg

Package Level 1 EAN

3471522611390

External Classifications and Standards	
Object Classification Code	B
ETIM 6	EC000030 - End switch
ETIM 7	EC000030 - End switch
ETIM 8	EC000030 - End switch
eClass	V11.0 : 27272601
UNSPSC	39122213
IDEA Granular Category Code (IGCC)	5202 >> Limit switch

Categories

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

