

PRODUCT-DETAILS

LS45P54B11

LS45P54B11 Limit Switch



General Information

Extended Product Type	LS45P54B11
Product ID	1SBV012454R1211
EAN	3471522612113
Catalog Description	LS45P54B11 Limit Switch
Long Description	LS45P54B11 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 rubber roller lever (Ø50 mm) actuator and 1 N.O + 1 N.C snap action (Zb type) contacts

Ordering

EAN	3471522612113
Minimum Order Quantity	10 piece
Customs Tariff Number	85364900

Dimensions

Product Net Width	50 mm
Product Net Height	149 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.179 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	45 mm
Package Level 1 Height	200 mm
Package Level 1 Depth / Length	70 mm
Package Level 1 Gross Weight	0.206 kg
Package Level 1 EAN	3471522612113
Package Level 2 Units	10 piece
Package Level 2 Gross Weight	2 kg

Environmental

Ambient Air Temperature	Operation -25 ... +70 °C Storage -30 ... +80 °C
Resistance to Vibrations acc. to IEC 60068-2-6	25g (10 to 500 Hz) no change in position of contacts greater than 100 µs
Resistance to Shock acc. to IEC 60068-2-27	Half-sine Pulse for 11 ms, No Change in Contact Position 50 m/s ²
RoHS Status	Following EU Directive 2011/65/EU

Technical UL/CSA

Pilot Duty of Contact Elements acc. UL508	A600 Q600
Flammability According to UL94	V-0

Additional Information

Action Type of the Contact Element (acc. to IEC 60947-5-1)	Snap action contacts
Actuator Type	adjustable Ø 45 mm rubber roller lever
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
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
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-5-1, q = 40 °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

Maximum Electrical Switching Frequency	3600 cycles per hour (AC-15) 3600 cycles per hour (DC-13) 3600 cycles per hour
Mechanical Durability	10 million
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 of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number and Type of Bottom Cable Glands	1/2 NPT cable gland
Order Multiple	1 piece
Positive Opening Operation of NC Contact (s)	No
Product Main Type	LS40
Product Name	Limit Switch
Rated Frequency (f)	Supply Circuit 50 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) 500 V acc. to UL/CSA 600 V
Rated Operational Current AC-15 (I _e)	(230 V AC) 3.1 A (400 V) NC 4 (24 V) 10 A (130 V) 5.5 A (240 V) 3 A
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 A
Resistance Between Contacts	25 E45
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
Terminal Marking	according to EN 50013

Certificates and Declarations (Document Number)

CQC Certificate	CQC2004010305127663
cUL Certificate	9AKK107991A7379
Data Sheet, Technical Information	AC1300
Declaration of Conformity - CCC	2020980305001785
Declaration of Conformity - CE	1SBD250883U1000
Environmental Information	1SBD250097E1000
Instructions and Manuals	AC1300
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

