

PRODUCT-DETAILS

# LS40M13B11

## LS40M13B11 Limit Switch



### General Information

Extended Product Type	LS40M13B11
Product ID	1SBV011113R1211
EAN	3471522002716
Catalog Description	LS40M13B11 Limit Switch
Long Description	LS40M13B11 is a 40 mm wide, standard reinforced Limit Switch made of zinc alloy material (Zamak), with 4 mounting holes at the top and bottom, 1 Pg13.5 cable entry on the bottom, stainless steel roller plunger actuator and 1 N.O + 1 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	40 mm
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Product Net Height	120 mm
Product Net Depth / Length	44 mm
Product Net Weight	0.229 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 16 N
Actuation Speed	acc. to IEC 60947-5-1 Max. 0.5 m/s acc. to IEC 60947-5-1 Min. 0 m/s
Actuator Type	stainless steel roller plunger
Angular Head Adjustment	adjustable head every 90°
Angular Lever Adjustment	none
B10d Value	50 Millions operations
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, $q = 40\text{ °C}$ 10 A
Connecting Capacity	Bar AWG 20 ... AWG 14 mm <sup>2</sup> Bar 0.5 ... 2.5 mm <sup>2</sup>
Consistency (Measured over 1 Million Operations)	0.05 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 IP66
Electrical Shock Protection acc. to IEC 536	Class I
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	On end or 30° Cam Translation
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number and Type of Bottom Cable Glands	Pg 13,5 Cable Gland
Operating Head Shape	C shape acc. EN 50041
Pilot Duty of Contact Elements acc. UL508	A600 Q600
Positive Opening Operation Force (Direct Opening Action)	Minimum Force acc. to IEC 60947-5-1 48 NEW
Positive Opening Operation of NC Contact (s)	Yes
Rated Impulse Withstand Voltage ( $U_{imp}$ )	6 kV
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 Frequency (f)	Supply Circuit 50 / 60 Hz
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V acc. to UL/CSA 600 V
Rated Operational Current DC-13 (I <sub>e</sub> )	(24 V) 6 A (110 V) 0.6 A (125 V) 0.55 A (250 V) 0.4 A
Resistance Between Contacts	25 E45
Short-Circuit Protective Devices	gG Type Fuses 10 A
Terminal Marking	according to EN 50013
Terminal for Protective Conductor	M 3.5 (+,-) pozidriv 2 screw with cable clamp

## 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 <sup>2</sup>
Resistance 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 (Document Number)

CQC Certificate	CQC2004010305127663
cUL Certificate	9AKK107991A7379
Declaration of Conformity - CCC	2020980305001785
Declaration of Conformity - CE	1SBD250883U1000
Declaration of Conformity - UKCA	1SBD250886U1000
Environmental Information	1SBD250098E1000
Instructions and Manuals	1SBC141157C0202
RoHS Information	1SBD250883U1000

## 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	0.247 kg
Package Level 1 EAN	3471522002716

## Classifications

ETIM 4	EC001829 - Position switch modular
ETIM 5	EC001829 - Position switch modular
ETIM 6	EC000030 - End switch

ETIM 7

EC000030 - End switch

UNSPSC

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## Categories

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

