

LS31P13B11



Products Low Voltage Products and Systems Control Products Sensors Limit Switches

General Information

Extended Product Type:	LS31P13B11
Product ID:	1SBV010113R1211
EAN:	3471522000132
Catalog Description:	LS31P13B11 Limit Switch
Long Description:	LS31P13B11 Limit Switch

Additional Information

ABB Industrial IT Suite:	Control IT
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 12 N
Actuation Speed:	acc. to IEC 60947-5-1 Max. 0.30 m/s acc. to IEC 60947-5-1 Min. 0.00 m/s
Actuator Type:	plastic roller plunger
Ambient Air Temperature:	Operation -25 ... +70 °C Storage -30 ... +80 °C
Angular Head Adjustment:	adjustable head every 90°
Angular Lever Adjustment:	none
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 open position):	M3.5 (+,-) pozidriv 2 screw with cable clamp
Consistency (Measured over 1 Million Operations):	0.1 mm
Contact Element Form (acc. to IEC 60947-5-1):	Zb
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-5-1, q = 40 °C 10.0 A
Country of Origin:	Italy (IT)
Customs Tariff Number:	85364900
Data Sheet, Technical Information:	1SBC001699R1002
Declaration of Conformity - CE:	1SBD250881C2000
Degree of Protection:	acc. to IEC 60529 IP65
EAN:	3471522000132
ETIM 4:	EC001829 - Position switch modular
ETIM 5:	EC001829 - Position switch modular
ETIM 6:	EC001829 - Position switch modular
Electrical Shock Protection acc. to IEC 536:	Double insulation - Class II
Environmental Information:	1SBD250084E1000
Flammability According to UL94:	V0
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	1SBC001699R1002
Invoice Description:	LS31P13B11 Limit Switch
Maximum Electrical Switching Frequency:	3600 cycles per hour

Mechanical Durability:	10 million
Minimum Order Quantity:	10 piece
Mounting Position:	all positions are authorised
Mounting by Screws (not supplied):	2 x M4 screws
Movement to be Detected:	On end or 30° Cam Translation
Number and Type of Bottom Cable Glands:	Pg 11 Cable Gland
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	1
Operating Head Shape:	C shape acc. EN 50047
Order Multiple:	1 piece
Package Level 1 EAN:	3471522000132
Package Level 1 Gross Weight:	0.07 kg
Package Level 1 Height:	95 mm
Package Level 1 Length:	32 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	95 mm
Package Level 2 Units:	10 piece
Pilot Duty of Contact Elements acc. UL508:	A600 Q600
Positive Opening Operation Force (Direct Opening Action):	Minimum Force acc. to IEC 60947-5-1 41 N
Positive Opening Operation of NC Contact(s):	Yes
Product Main Type:	LS30
Product Name:	Limit Switch
Product Net Weight:	0.070 kg
Product Net Width:	30 mm
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
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
Selling Unit of Measure:	piece
Short Description:	LS31P13B11 Limit Switch
Short-Circuit Protective Devices:	gG Type Fuses 10 A
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
UNSPSC:	39121500

