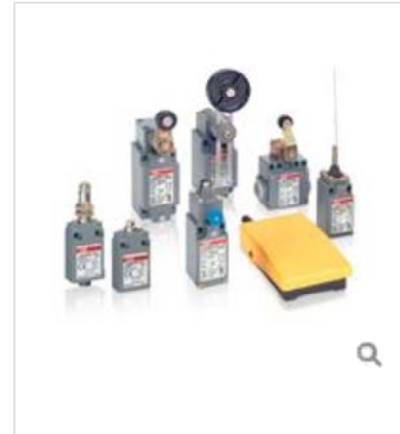


LS45M91B11

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General Information

Extended Product Type:	LS45M91B11
Product ID:	1SBV013191R1211
EAN:	3471522614391
Catalog Description:	LS45M91B11



Categories

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

Ordering

EAN:	3471522614391
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85369085

Dimensions

Product Net Width:	40 mm
Product Net Weight:	0.235 kg

Container Information

Package Level 1 Units:	1 piece
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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 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

Technical UL/CSA

Pilot Duty of Contact Elements acc. UL508:	A600 Q600
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Additional Information

Action Type of the Contact Element (acc. to IEC 60947-5-1):	snap action contacts
Actuation Speed:	acc. to IEC 60947-5-1 Max. 1.00 m/s acc. to IEC 60947-5-1 Min. 0.00 m/s
Actuation Torque:	acc. to IEC 60947-5-1 Min. 0.18 N·m
Actuator Type:	stainless steel spring rod
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):	0.05 mm
Contact Element Form (acc. to IEC 60947-5-1):	Zb
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 10.0 A
Degree of Protection:	acc. to IEC 60529 IP66
Electrical Shock Protection acc. to IEC 536:	Class I
IIT Publishing Status:	Level 0 - Information enabled
Load Factor:	.5
Maximum Electrical Switching Frequency:	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:	Multidirectional Translation Movement
Number and Type of Bottom Cable Glands:	1/2 NPT cable gland
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	1
Positive Opening Operation of NC Contact(s):	No
Product Main Type:	LS45M
Product Name:	Limit Switch
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 m Ω
Standards:	IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA C22-2 N°14
Terminal for Protective Conductor:	M 3.5 (+,-) pozidriv 2 screw with cable clamp
Terminal Marking:	according to EN 50013

Certificates and Declarations (Document Number)

Declaration of Conformity - CE: 1SBD250881C2000
