PRODUCT-DETAILS

LS35P12B02-R

LS35P12B02-R Limit Switch



General Information

Extended Product Type	LS35P12B02-R
Product ID	1SBV022112R1202
EAN	3471522620484
Catalog Description	LS35P12B02-R Limit Switch
Long Description	LS35P12B02-R is a 30 mm wide, standard Limit Switch with a reset button made of fiber-glass reinforced UL-V0 material, with 2 mounting holes at the top, 1 1/2" NPT cable entry on the bottom, steel roller plunger actuator and 2 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

© 2024 ABB. All rights reserved.

Dimensions

Product Net Width	30 mm
Product Net Height	92 mm
Product Net Depth / Length	30 mm
Product Net Weight	0.102 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 12 N
Actuation Speed	acc. to IEC 60947-5-1 Max. 0.3 m/s acc. to IEC 60947-5-1 Min. 0 m/s
Actuator Type	galvanized steel roller plunger
Angular Head Adjustment	adjustable head every 90°
B10d Value	Operations 30 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, Θ = 40 °C 10 A
Connecting Capacity	Bar AWG 20 ... AWG 14 mm² Bar 0.5 ... 2.5 mm²
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
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 x M4 screws
Movement to be Detected	On end or 30° Cam Translation
Number of Auxiliary Contacts NC	2
Number and Type of Bottom Cable Glands	1/2 NPT plastic adaptor
Pilot Duty UL/CSA	A600 Q600
Positive Opening Operation Force (Direct Opening Action)	Minimum Force acc. to IEC 60947-5-1 41 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_i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 500 V acc. to UL/CSA 600 V

© 2024 ABB. All rights reserved.

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
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 °C
Resistance to Shock acc. to IEC 60068-2-27	Half-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 µs: 25g 10 ... 500 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SBD251097E1000
RoHS Information	1SBD251097E1000
RoHS Status	Following EU Directive 2011/65/EU
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	1 piece
Package Level 1 Width	118 mm
Package Level 1 Depth / Length	32 mm
Package Level 1 Height	54 mm
Package Level 1 Gross Weight	0.122 kg
Package Level 1 EAN	3471522620484

Classifications

ETIM 6	EC000030 - End switch
ETIM 7	EC000030 - End switch
ETIM 8	EC000030 - End switch
eClass	V11.1 : 27270601
UNSPSC	39122213
IDEA Granular Category	5202 >> Limit switch

© 2024 ABB. All rights reserved.

Code (IGCC)

Categories

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



© 2024 ABB. All rights reserved.