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# LS Series

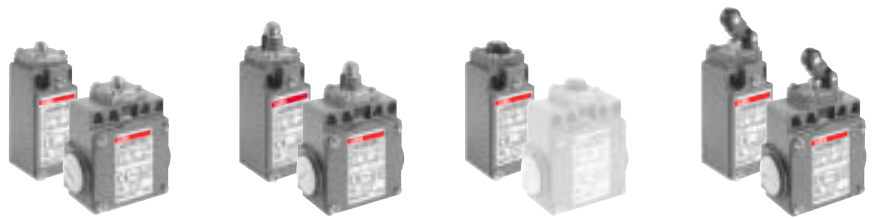
## Metal Casing IP66

LS32M...  
LS33M...  
LS35M...

30 mm

LS72M...  
LS73M...  
LS75M...

60 mm



Type	LS...M11	LS...M12, LS...M13	LS...M14	LS...M31
Actuator	Plain plunger	Roller plunger	Plain plunger	Roller lever
Action type				
CENELEC conformity / Positive opening operation	EN 50047	EN 50047	EN 50047	EN 50047



LS...M51, LS...M53	LS...M52	LS...M55	LS...M61	LS...M62	LS...M71, LS...M72
Adjustable roller lever	Adjustable roller lever	Adjustable roller lever	Flexible lever	Flexible lever	Adjustable rod lever
-	-	-	-	-	-

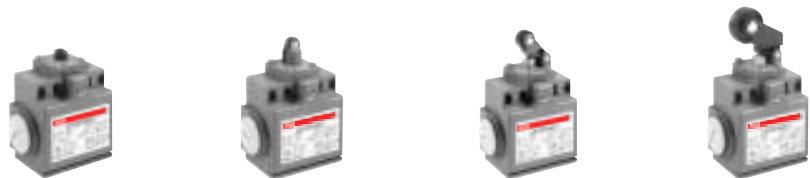
Note: The transparent Limit Switches (pictured above) are available, but not referenced in this catalogue (Please consult us).

## Plastic Casing IP65

LS72P...  
LS73P...  
LS75P...













60 mm

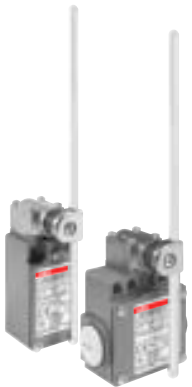
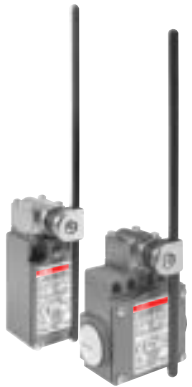










As the range is very large, the products shown here are the most common. The full range can be found on pages 36 to 47.


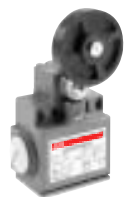





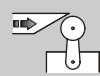






Type	LS...P10	LS...P12, LS...P13	LS...P31	LS...P38
Actuator	Plain plunger	Roller plunger	Roller lever	Adjustable roller lever
Action type				
CENELEC conformity / Positive opening operation	-	-	-	-

# Limit Switches

					
<b>LS...M32</b>	<b>LS...M35</b>	<b>LS...M38</b>	<b>LS...M41, LS...M43</b>	<b>LS...M42</b>	<b>LS...M45, LS...M46</b>
Roller lever	Roller lever	Adjustable roller lever	Roller lever	Roller lever	Roller lever
					
-	-	-	EN 50047	-	-

					
<b>LS...M73</b>	<b>LS...M74</b>	<b>LS...M78</b>	<b>LS...M91</b>	<b>LS...M92</b>	<b>LS...M98B11-A</b>
Adjustable rod lever	Adjustable rod lever	Adjustable rod lever	Flexible rod	Flexible rod	Pull action
					
-	-	-	-	-	-

					
<b>LS...P41, LS...P43</b>	<b>LS...P42</b>	<b>LS...P51, LS...P53</b>	<b>LS...P71, LS...P72</b>	<b>LS...P91</b>	<b>LS...P98</b>
Roller lever	Roller lever	Adjustable roller lever	Adjustable rod lever	Flexible rod	Pull action
					
-	-	-	-	-	-

# LS32M..., LS33M..., LS35M... and LS72M..., LS73M..., LS75M... Limit Switches

## Metal Casing IP66

### Applications

Easy to use, electromechanical limit switches offer specific qualities:

- Visible operation.
- Able to switch strong currents (10 A conventional thermal current).
- Electrically separated contacts (Zb shape).
- Contact blocks with positive opening operation of the "N.C." normally closed contact(s) (symbol ⊖).
- Precise operating points (consistency).
- Immune to electromagnetic disturbances.

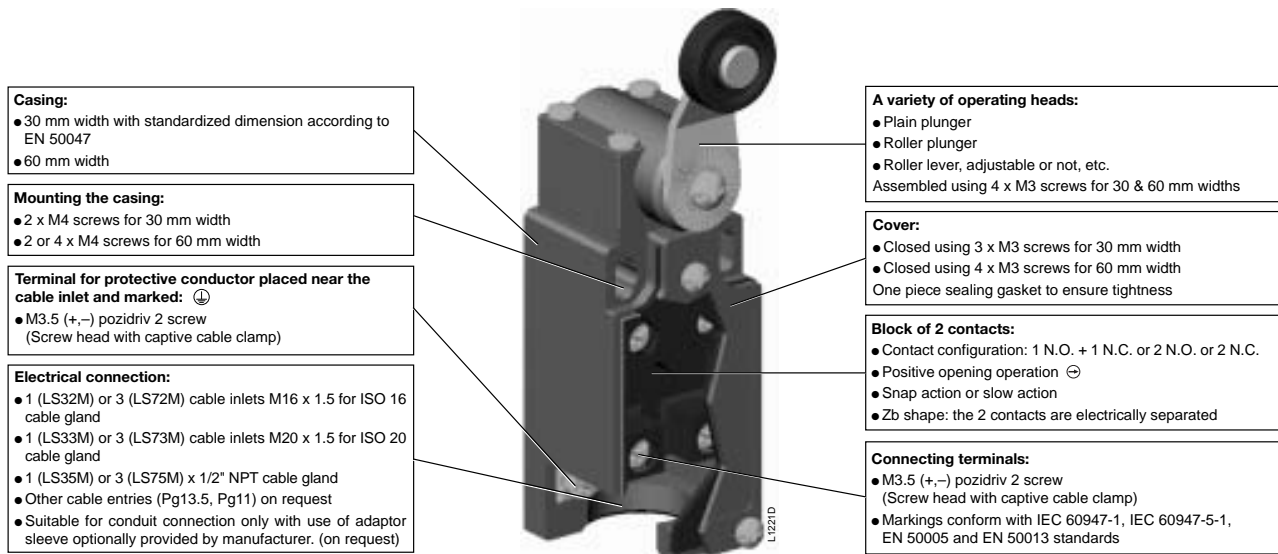
They are exceptional detection devices thanks to these characteristics:

- Presence/absence.
- Positioning and travel limit.
- Objects passing/counting.

### Description

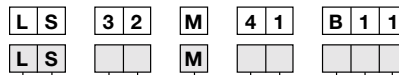
Limit switches, which are made of zinc alloy (zamack), have a degree of protection of IP66.

The casings come in 2 dimensions:   – LS32M..., LS33M..., LS35M... 30 mm width.  
  – LS72M..., LS73M..., LS75M... 60 mm width.



### Type

Example:



Limit Switch .....	LS
Casing width: 30 mm .....	3
1 cable inlet M16 x 1.5 for ISO 16 cable gland .....	2
1 cable inlet M20 x 1.5 for ISO 20 cable gland .....	3
1 cable inlet 1/2" NPT for 1/2" NPT cable gland .....	5
Casing width: 60 mm (new casing) .....	7
3 cable inlets M16 x 1.5 for ISO 16 cable gland .....	2
3 cable inlets M20 x 1.5 for ISO 20 cable gland .....	3
3 cable inlets 1/2" NPT for 1/2" NPT cable gland .....	5
Metal casing .....	M
Operating heads: 10 ... 98 .....	Codes

Contact types:

11 ..... 1 N.O. + 1 N.C. contacts

20 ..... 2 N.O. contacts

02 ..... 2 N.C. contacts

Snap action:

B ..... Zb Snap

Dependent (slow) action:

L ..... Zb Slow / Simultaneous

D ..... Zb Non-overlapping late make

C ..... Zb Overlapping early make

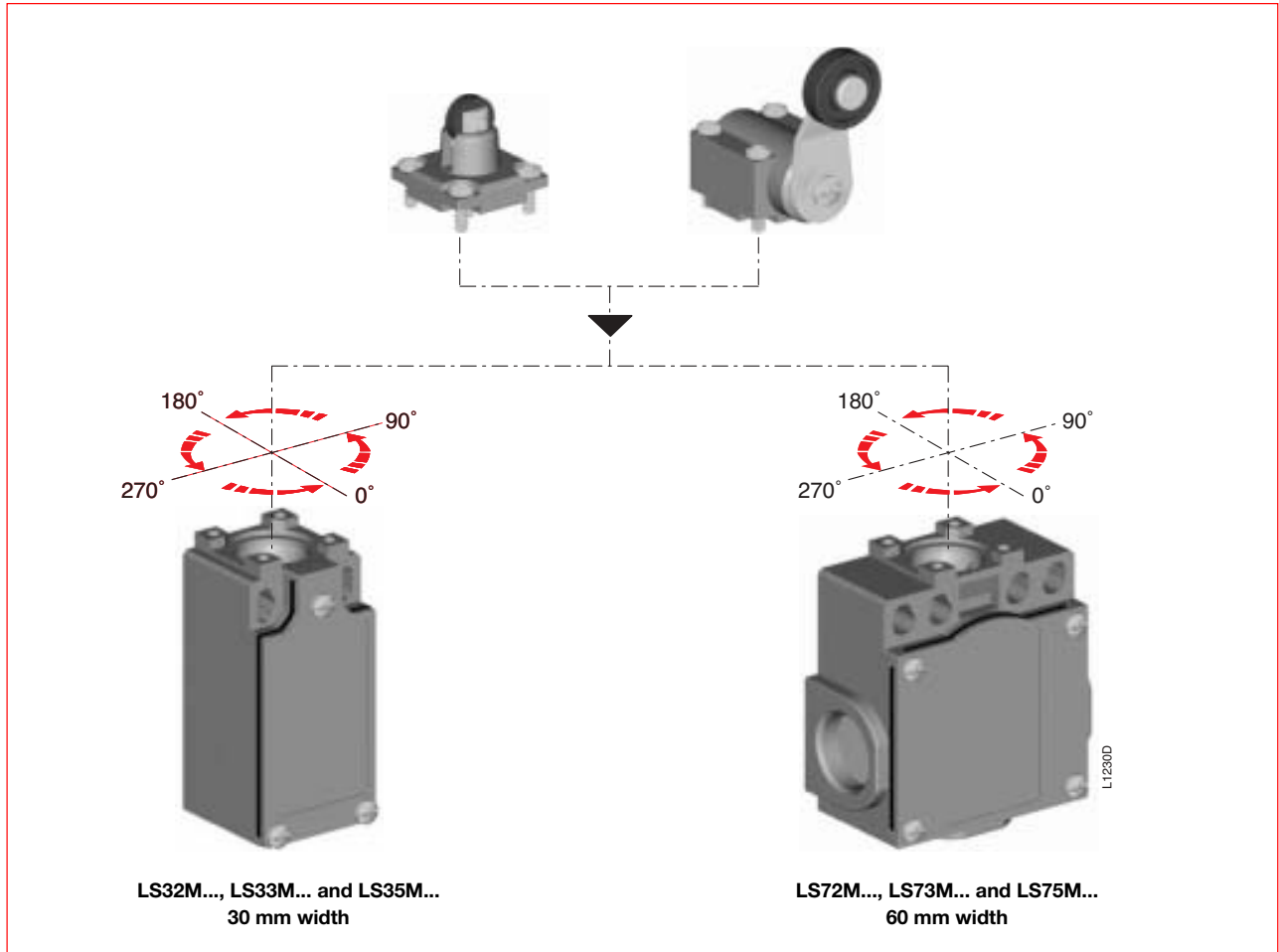
>> Travel and Operation Diagrams .....	page 8	>> Terminology .....	page 50
>> General Technical Data .....	page 9	>> Ordering Details .....	pages 52..67

# LS32M..., LS33M..., LS35M... and LS72M..., LS73M..., LS75M... Limit Switches

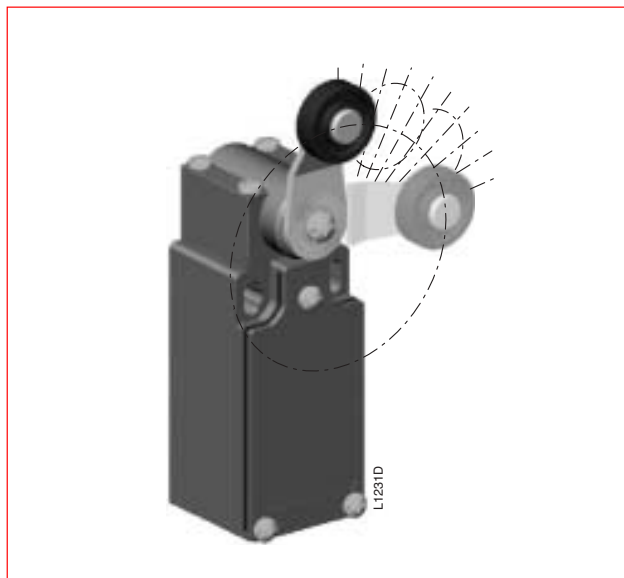
Metal Casing IP66

## Implementation

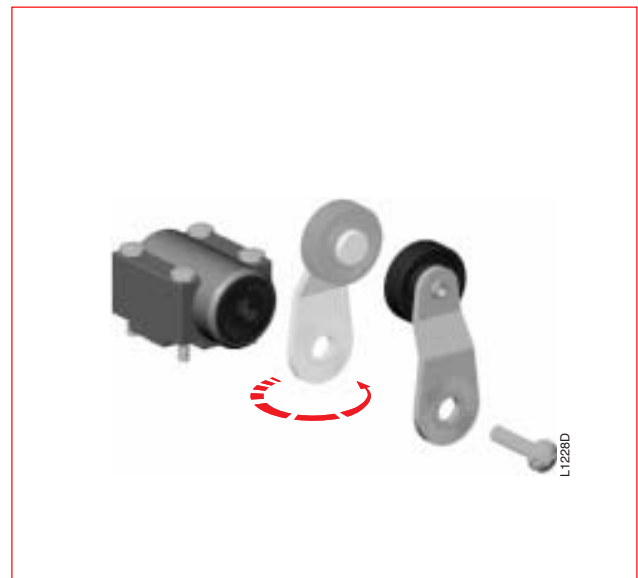
- Head orientation.



- Free position adjustment 10° in 10° of the lever.



- Lever round turning.



# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation – Plastic Casing IP65

### Applications

Easy to use, electromechanical limit switches offer specific qualities:

- Visible operation.
- Able to switch strong currents (10 A conventional thermal current).
- Electrically separated contacts (Zb shape).
- Contact blocks with positive opening operation of the "N.C." normally closed contact(s) (symbol ⊖).
- Precise operating points (consistency).
- Immune to electromagnetic disturbances.

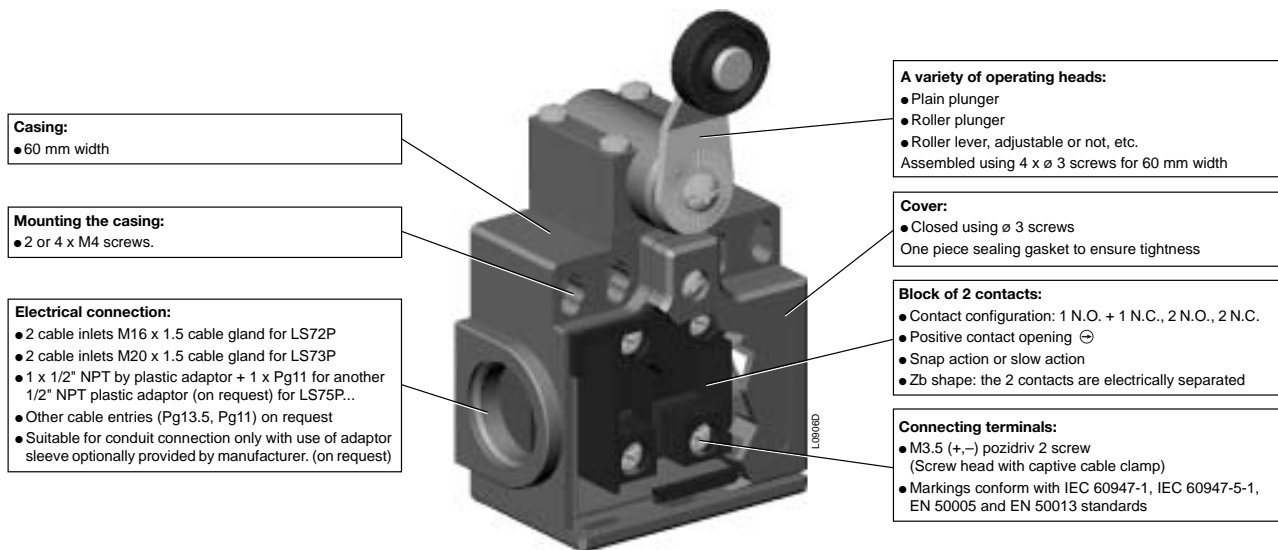
They are exceptional detection devices thanks to these characteristics:

- Presence/absence.
- Positioning and travel limit.
- Objects passing/counting.

### Description

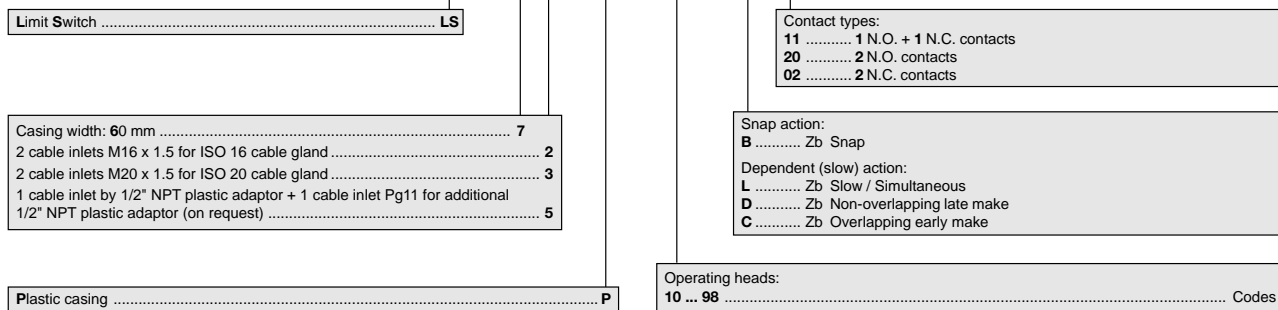
Limit switches, which are made of fibre-glass reinforced UL-V0 thermoplastic material, offer double insulation □ and a degree of protection IP65.

The casing comes in 1 dimension: LS72P..., LS73P..., LS75P... 60 mm width.



### Type

Example:



>> Travel and Operation Diagrams ..... page 8	>> Terminology ..... page 50
>> General Technical Data ..... page 9	>> Ordering Details ..... pages 52..67

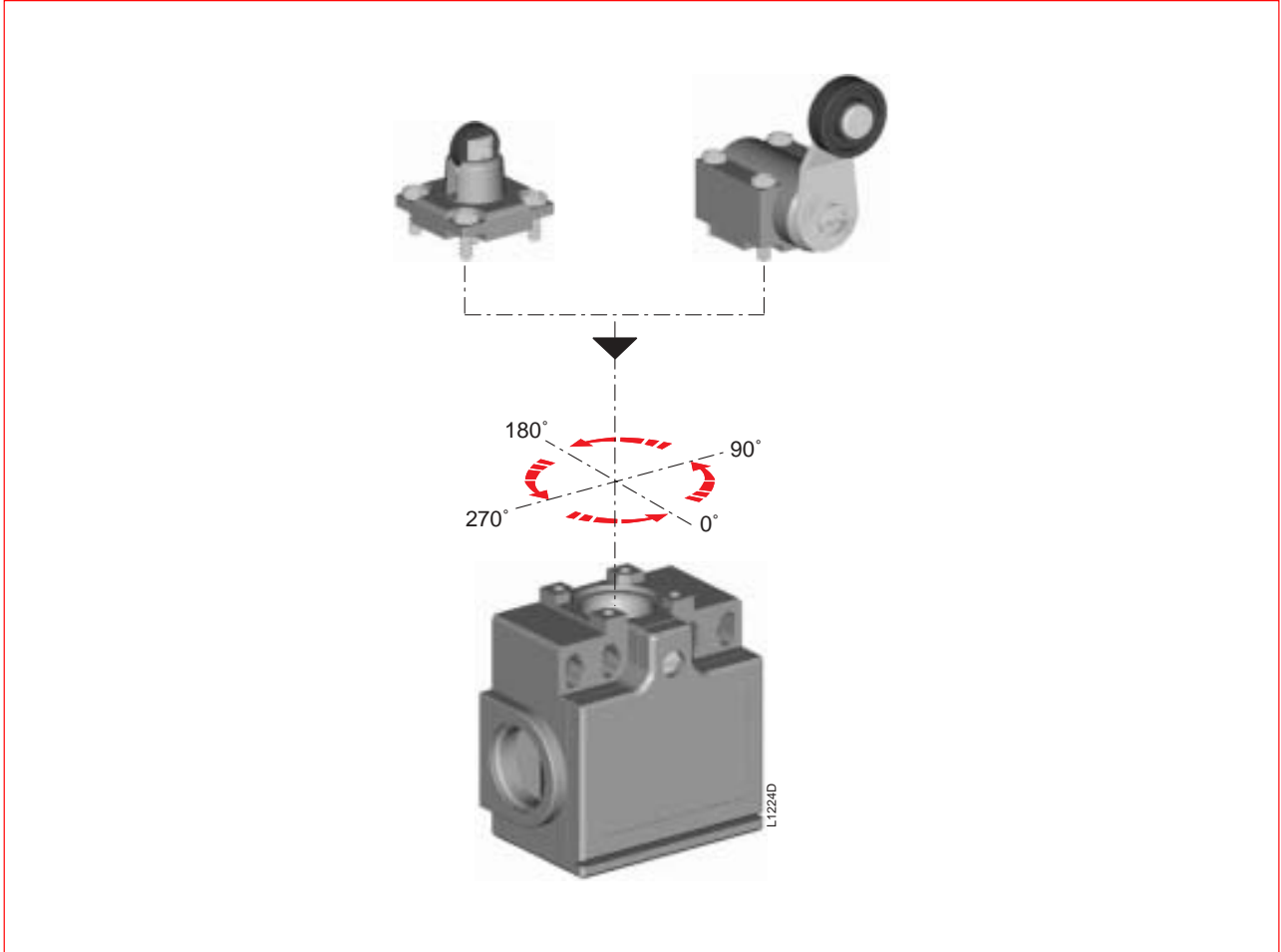


# LS72P..., LS73P... and LS75P... Limit Switches

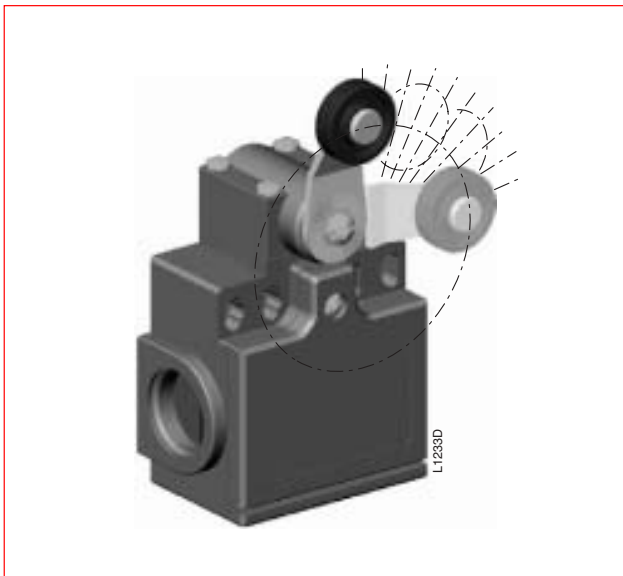
## Double Insulation – Plastic Casing IP65

### Implementation

- Head orientation.



- Free position adjustment 10° in 10° of the lever.

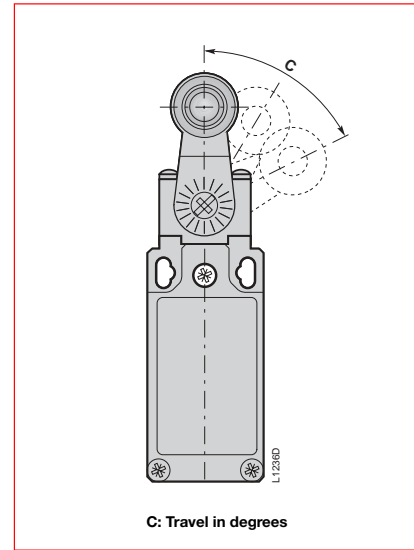
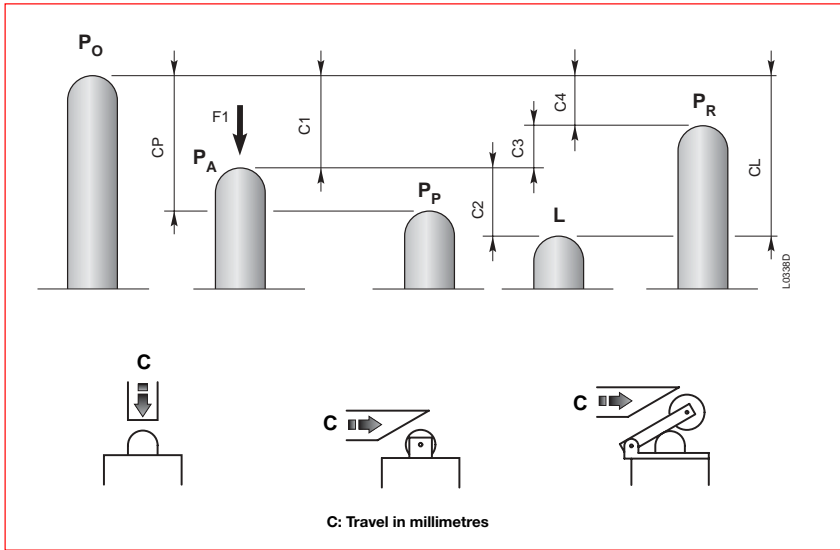


- Lever round turning.



# Limit Switches Plastic or Metal Casing

## Travel and Operation Diagrams



**P<sub>O</sub> Free position:**  
position of the switch actuator when no external force is exerted on it.

**P<sub>A</sub> Operating position:**  
position of the switch actuator, under the effect of force **F<sub>1</sub>**, when the contacts leave their initial free position.

**P<sub>P</sub> Positive opening position:**  
position of the switch actuator from which positive opening is ensured.

**L Max. travel position:**  
maximum acceptable travel position of the switch actuator under the effect of a force **F<sub>1</sub>**.

**P<sub>R</sub> Release position:**  
position of the switch actuator when the contacts return to their initial free position.

**C<sub>1</sub> Pre-travel (average travel):**  
distance between the free position **P<sub>O</sub>** and the operating position **P<sub>A</sub>**.

**C<sub>P</sub> Positive opening travel:**  
minimum travel of the switch actuator, from the free position, to ensure positive opening operation of the normally closed contact (N.C.).

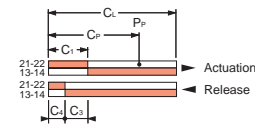
**C<sub>2</sub> Over-travel (average travel):**  
distance between the operating position **P<sub>A</sub>** and the max. travel position **L**.

**C<sub>L</sub> Max. travel (maximum travel):**  
distance between the free position **P<sub>O</sub>** and the max. travel position **L**.

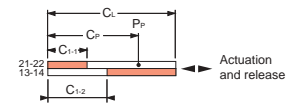
**C<sub>3</sub> Differential travel (C<sub>1</sub>-C<sub>4</sub>) (average travel):**  
travel difference of the switch actuator between the operating position **P<sub>A</sub>** and the release position **P<sub>R</sub>**.

**C<sub>4</sub> Release travel (average travel):**  
distance between the release position **P<sub>R</sub>** and the free position **P<sub>O</sub>**.

### Diagram for snap action contacts:



### Diagram for non-overlapping slow action contacts:



**Contacts position**

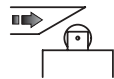
- 21-22  Contact closed
- 21-22  Contact open

↑  
Contacts identification (example)

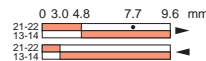
**Note:** for slow action contacts, **C<sub>3</sub> = 0**, **C<sub>1-1</sub>** = pre-travel of contact 21-22, **C<sub>1-2</sub>** = pre-travel of contact 13-14.

### Examples:

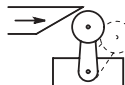
LS32M13B11  
(snap action contacts)



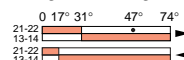
#### Diagram in millimetres/cam travel



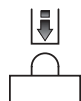
LS32M41B11  
(snap action contacts)



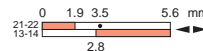
#### Diagram in degrees/lever rotation



LS32M11D11  
(non-overlapping slow action contacts)



#### Diagram in millimetres/plunger travel



>> Panorama ..... pages 2...3  
>> Additional Technical Data ..... pages 12...48  
>> Ordering Details ..... pages 52...76

>> Standards ..... page 49  
>> Terminology and Utilization Precautions ..... pages 50...51

# Limit Switches Plastic or Metal Casing

## Technical Data

### General Technical Data

	Plastic Casing	Metal Casing
<b>Standards</b>	IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA C22-2 n° 14	
<b>Certifications - Approvals</b>	UL - CSA	
<b>Air temperature</b> near the device		
– during operation	°C – 25 ... + 70	– 25 ... + 70
– for storage	°C – 30 ... + 80	– 30 ... + 80
<b>Climatic withstand</b>	According to IEC 68-2-3 and salty mist according to IEC 68-2-11	
<b>Mounting positions</b>	All positions are authorized	
<b>Shock withstand</b> (according to IEC 68-2-27 and EN 60068-2-27)	50g* (1/2 sinusoidal shock for 11 ms) no change in contact position	
<b>Resistance to vibrations</b> (acc. to IEC 68-2-6 and EN 60068-2-6)	25g (10 ... 500 Hz) no change in position of contacts greater than 100 µs	
<b>Protection against electrical shocks</b> (acc. to IEC 536)	Class II	Class I
<b>Degree of protection</b> (according to IEC 529 and EN 60529)	IP65	IP66 **
<b>Consistency</b> (measured over 1 million operations)	0.1 mm (upon closing point)	0.1 mm (upon closing point)
<b>Minimum actuation speed</b>	m/s Slow action contacts 0.060 / Snap action contacts 0.001	

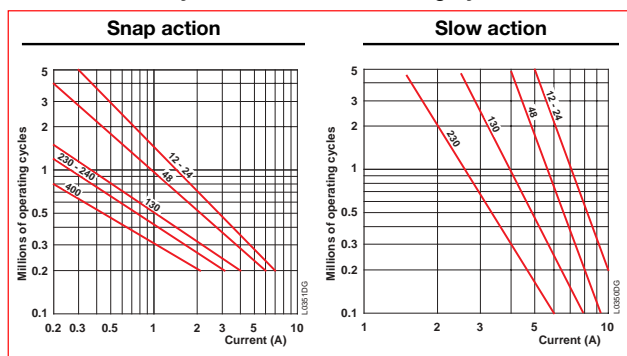
### Electrical Data

<b>Rated insulation voltage <math>U_i</math></b>			
– according to IEC 60947-1 and EN 60947-1	V	500 (degree of pollution 3)	400 (degree of pollution 3)
– according to UL 508, CSA C22-2 n° 14	V	600	300
<b>Rated impulse withstand voltage <math>U_{imp}</math></b> (according to IEC 60947-1 and EN 60947-1)	kV	6	
<b>Conventional enclosed thermal current <math>I_{the}</math></b> (according to IEC 60947-5-1 and EN 60947-5-1) $\theta \leq 40$ °C	A	10	
<b>Short-circuit protection</b> gG type fuses	A	10	
<b>Rated operational current</b>			
$I_o$ / AC-15 – acc. to IEC 60947-5-1			
24 V - 50/60 Hz	A	10	
130 V - 50/60 Hz	A	5.5	
230 V - 50/60 Hz	A	3.1	
240 V - 50/60 Hz	A	3	
400 V - 50/60 Hz	A	1.8	
– acc. to UL 508, CSA C22 n° 14		A 600	A 300
$I_o$ / DC-13 – acc. to IEC 60947-5-1			
24 V - d.c.	A	2.8	
110 V - d.c.	A	0.6	
250 V - d.c.	A	0.27	
– acc. to UL 508, CSA C22 n° 14		Q 600	Q 300
<b>Positivity</b>		Contacts with positive opening operation as per IEC 60947-5-1 chapter 3 and EN 60947-5-1	
<b>Resistance between contacts</b>	mΩ	25	
<b>Mechanical durability</b>	Millions of operations	15 } LS7xP { 10...12 ; 30...38 10 } { 13 ; 41...46 ; 51...53 ; 71...78 > 5 } { 91...92 ; 98	15 } 3x { 11...12 ; 31...38 10 } LS { M { 13 ; 41...46 ; 51...55 ; 61...78 > 5 } 7x { 14 ; 91...92 ; 98
<b>Electrical durability</b> (according to IEC 60947-5-1 appendice C)		Utilization categories AC-15 and DC-13 (see curves and values below)	
– max. switching frequency	Cycles/h	3600	
– load factor		0.5	

\* Except for LS32/33/35M42, M52 and M55 - LS72/73/75M42, M52 and M55 - LS72/73/75P42, P52 and P55: 25g

\*\* Except for LS32/33/35M52, M55, M73, M74 and M92 - LS72/73/75M52, M55, M73, M74 and M92 : the degree of protection is IP65.

#### Electrical durability for AC-15 utilization category



#### Electrical durability for DC-13 utilization category

	Snap action	Slow action
Power breaking for a durability of 5 million operating cycles		
Voltage 24 V	9.5 W	12 W
Voltage 48 V	6.8 W	9 W
Voltage 110 V	3.6 W	6 W

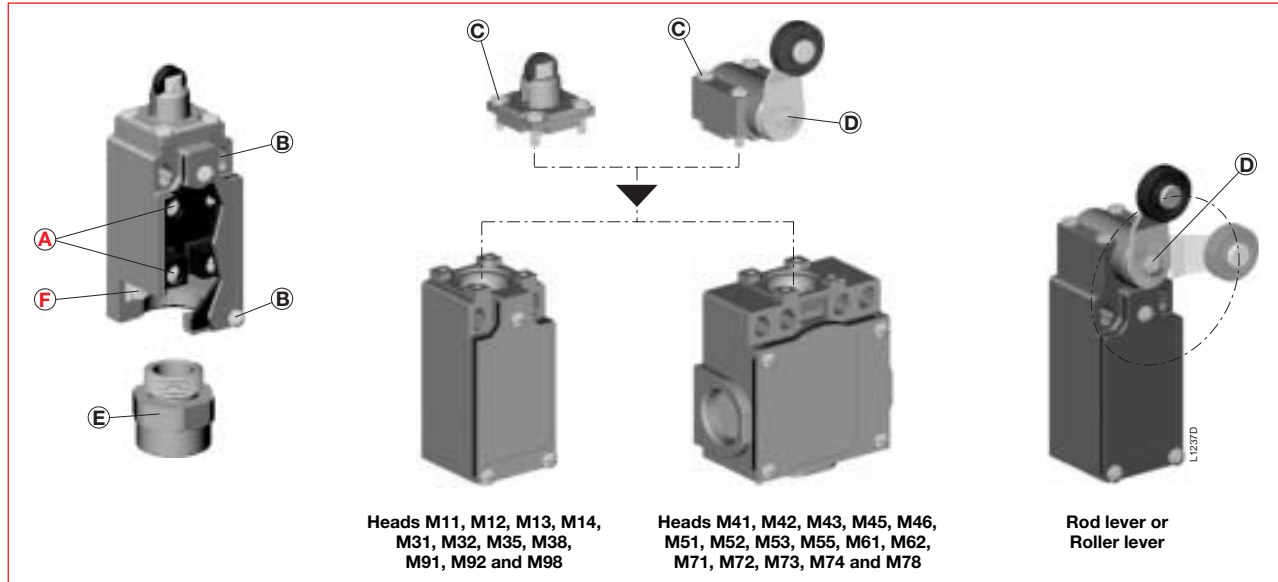
>> Ordering Details ..... pages 52...76

# LS32M..., LS33M..., LS35M... and LS72M..., LS73M..., LS75M... Limit Switches

Metal Casing IP66 - 30 mm and 60 mm width

## Main Technical Data (continued)

### Tightening Torques



	A and F		B		C		D		E	
	Connecting terminals for: - Contact block (A) - Protective conductor (F)		Closing the cover		Assembling the operating head		Assembling or adjusting: - Rod lever - Roller lever		Cable inlet by 1/2" NPT metal adaptor *	
Screws	M3.5 ± pozidriv 2		M3 ± pozidriv 1		M3 ± pozidriv 1		M3 ± pozidriv 1		-	
Tightening torque	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m
<b>Limit switches</b>										
LS32M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS32M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-
LS32M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS33M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS33M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-
LS33M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS35M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	17 / 150	18
LS35M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	17 / 150	18
LS35M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	17 / 150	18
LS72M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS72M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-
LS72M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS73M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS73M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-
LS73M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	-	-
LS75M11 ... M38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	17 / 150	18
LS75M41 ... M78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	17 / 150	18
LS75M91 ... M98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	-	-	17 / 150	18

### Connecting data of contact blocks

Connecting terminals	M3.5 (+,-) pozidriv 2 screw with cable clamp
Connecting capacity	1 or 2 x mm <sup>2</sup> / AWG 0.5 mm <sup>2</sup> / AWG 20 to 2.5 mm <sup>2</sup> / AWG 14
Terminal marking	According to EN 50013

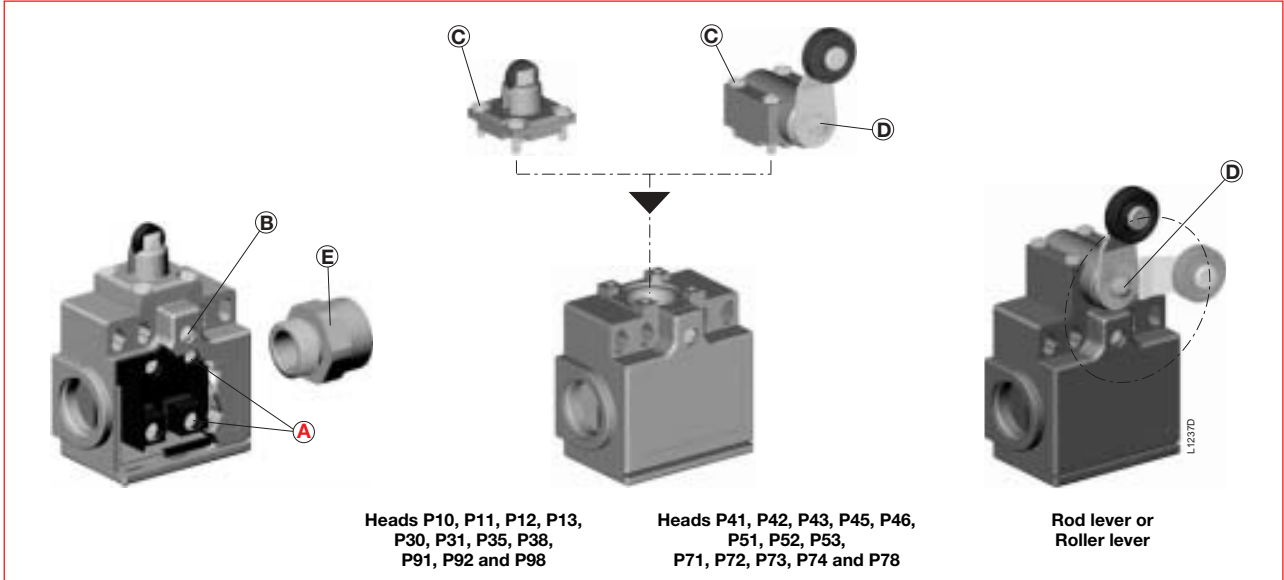
\* This type of adaptor can be used with direct conduit connections.

# LS72P..., LS73P..., LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm width

### Main Technical Data (continued)

#### Tightening Torques



Heads P10, P11, P12, P13, P30, P31, P35, P38, P91, P92 and P98

Heads P41, P42, P43, P45, P46, P51, P52, P53, P71, P72, P73, P74 and P78

Rod lever or Roller lever

	<b>A</b> Contact block connecting terminals		<b>B</b> Closing the cover		<b>C</b> Assembling the operating head		<b>D</b> Assembling or adjusting: - Rod lever - Roller lever		<b>E</b> Cable inlet by 1/2" NPT plastic adaptor *	
Screws	M3.5 ± pozidriv 2		ø3 ± pozidriv 1		ø3 ± pozidriv 1		M3 ± pozidriv 1		–	
Tightening torque	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m	Recommended N.m / lb.in	Max. N.m
Limit switches										
LS72P11 ... P38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	–	–
LS72P41 ... P78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–
LS72P91 ... P98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	–	–
LS73P11 ... P38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	–	–
LS73P41 ... P78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–
LS73P91 ... P98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	–	–
LS75P11 ... P38	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	17 / 150	18
LS75P41 ... P78	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	0.5 / 4.3	0.8	17 / 150	18
LS75P91 ... P98	0.8 / 7	0.9	0.5 / 4.3	0.8	0.5 / 4.3	0.8	–	–	17 / 150	18

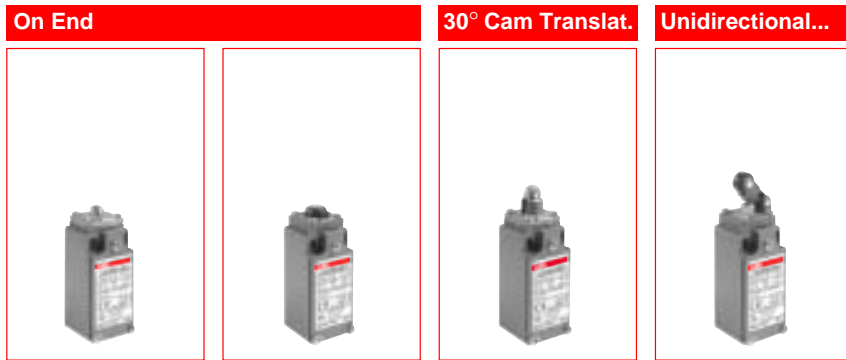
Connecting data of contact blocks		
Connecting terminals		M3.5 (+,-) pozidriv 2 screw with cable clamp
Connecting capacity	1 or 2 x mm <sup>2</sup> / AWG	0.5 mm <sup>2</sup> / AWG 20 to 2.5 mm <sup>2</sup> / AWG 14
Terminal marking		According to EN 50013

\* This type of adaptor can be used with direct conduit connections.

# LS32M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Plain plunger with dust protection cup	Roller plunger	Plastic roller lever on plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	EN 50047 (B shape) $\ominus$	EN 50047 (B shape) $\ominus$	EN 50047 (C shape) $\ominus$	EN 50047 (E shape) $\ominus$
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

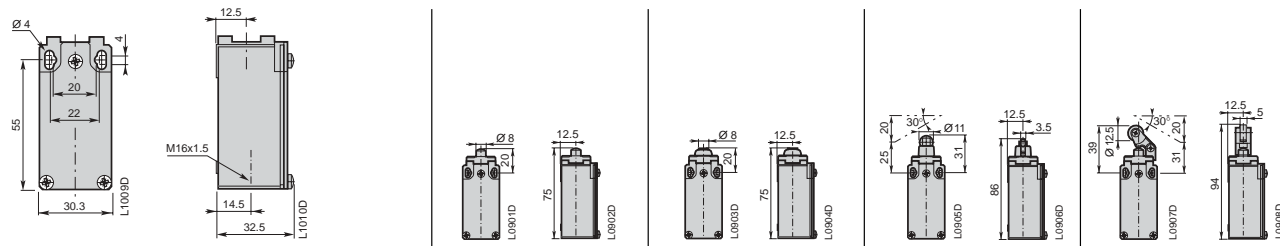
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal plunger <b>4</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>
<b>Snap action contacts</b> 	<b>LS32M1 1 B11</b> 1SBV01191 1 R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS32M1 4 B11</b> 1SBV01191 4 R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS32M1 2 B11</b> 1SBV01191 2 R1211 0 3.0 4.8 7.7 9.6 mm	<b>LS32M3 1 B11</b> 1SBV01193 1 R1211 0 4.9 9.0 14.5 21.0 mm
<b>Non-overlapping Slow action contacts</b> 	<b>LS32M1 1 D11</b> 1SBV01191 1 R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS32M1 4 D11</b> 1SBV01191 4 R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS32M1 2 D11</b> 1SBV01191 2 R1411 0 3.4 6.3 9.6 mm 5.1	<b>LS32M3 1 D11</b> 1SBV01193 1 R1411 0 6.0 10.5 21.0 mm 8.6
<b>Overlapping Slow action contacts</b> 	<b>LS32M1 1 C11</b> 1SBV01191 1 R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS32M1 4 C11</b> 1SBV01191 4 R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS32M1 2 C11</b> 1SBV01191 2 R1511 0 5.7 8.6 9.6 mm 3.2	<b>LS32M3 1 C11</b> 1SBV01193 1 R1511 0 10.2 14.6 21.0 mm 5.4
<b>Slow action contacts</b> 	<b>LS32M1 1 L02</b> 1SBV01191 1 R1302 0 1.9 3.5 5.6 mm	<b>LS32M1 4 L02</b> 1SBV01191 4 R1302 0 1.9 3.5 5.6 mm	<b>LS32M1 2 L02</b> 1SBV01191 2 R1302 0 3.4 6.3 9.6 mm	<b>LS32M3 1 L02</b> 1SBV01193 1 R1302 0 5.7 10.2 21.0 mm
<b>Slow action contacts</b> 	<b>LS32M1 1 L20</b> 1SBV01191 1 R1320 0 1.8 5.6 mm	<b>LS32M1 4 L20</b> 1SBV01191 4 R1320 0 1.8 5.6 mm	<b>LS32M1 2 L20</b> 1SBV01191 2 R1320 0 3.2 9.6 mm	<b>LS32M3 1 L20</b> 1SBV01193 1 R1320 0 5.3 21.0 mm
<b>Snap action contacts</b> 	<b>LS32M1 1 B02</b> 1SBV01191 1 R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS32M1 4 B02</b> 1SBV01191 4 R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS32M1 2 B02</b> 1SBV01191 2 R1202 0 3.2 5.0 7.9 9.6 mm	<b>LS32M3 1 B02</b> 1SBV01193 1 R1202 0 5.1 8.6 13.1 21.0 mm
<b>Weight (packing per unit)</b>	<b>kg</b> 0.180	0.180	0.185	0.175

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)




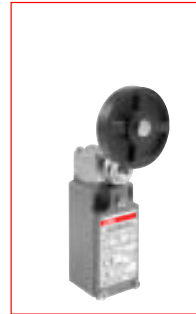
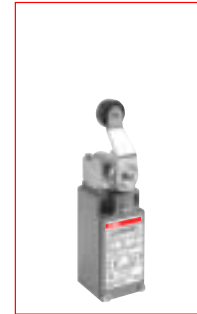



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# LS32M... Limit Switches

Metal Casing IP66 - 30 mm Width

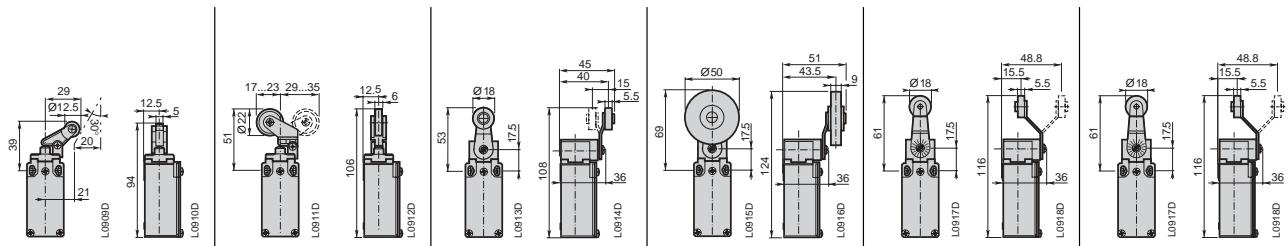
1 Cable Inlet M16 x 1.5 for ISO 16 Cable Gland

Unidirectional 30° Cam Translation		30° Cam Translation Movement			
					
Plastic roller lever on plunger	Adjustable plastic roller lever on plunger	ø18 roller lever	ø50 rubber roller lever	ø18 plastic roller with bent lever	ø18 steel roller with bent lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	EN 50047 (A shape) 1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger [2] Plastic plunger [4]	Metal plunger [8] Plastic plunger [4]	Metal roller [3] Plastic roller [1]	-	-	-
LS32M3[2]B11 1SBV01193[2]R1211	LS32M3[8]B11 1SBV01193[8]R1211	LS32M4[ ]B11 1SBV01194[ ]R1211	LS32M42B11 1SBV011942R1211	LS32M45B11 1SBV011945R1211	LS32M46B11 1SBV011946R1211
0 4.9 9.0 14.5 21.0 mm 21-22 13-14 21-22 13-14	0 8.8 15.0 23.2 32.0 mm 21-22 13-14 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14 21-22 13-14
LS32M3[2]D11 1SBV01193[2]R1411	LS32M3[8]D11 1SBV01193[8]R1411	LS32M4[ ]D11 1SBV01194[ ]R1411	LS32M42D11 1SBV011942R1411	LS32M45D11 1SBV011945R1411	LS32M46D11 1SBV011946R1411
0 6.0 10.5 21.0 mm 21-22 13-14 8.6	0 10.6 18.5 32.0 mm 21-22 13-14 15.1	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°
LS32M3[2]C11 1SBV01193[2]R1511	LS32M3[8]C11 1SBV01193[8]R1511	LS32M4[ ]C11 1SBV01194[ ]R1511	LS32M42C11 1SBV011942R1511	LS32M45C11 1SBV011945R1511	LS32M46C11 1SBV011946R1511
0 10.2 14.6 21.0 mm 21-22 13-14 5.4	0 16.8 25.1 32.0 mm 21-22 13-14 9.4	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°
LS32M3[2]L02 1SBV01193[2]R1302	LS32M3[8]L02 1SBV01193[8]R1302	LS32M4[ ]L02 1SBV01194[ ]R1302	LS32M42L02 1SBV011942R1302	LS32M45L02 1SBV011945R1302	LS32M46L02 1SBV011946R1302
0 5.7 10.2 21.0 mm 11-12 21-22	0 9.6 17.8 32.0 mm 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22
LS32M3[2]L20 1SBV01193[2]R1320	LS32M3[8]L20 1SBV01193[8]R1320	LS32M4[ ]L20 1SBV01194[ ]R1320	LS32M42L20 1SBV011942R1320	LS32M45L20 1SBV011945R1320	LS32M46L20 1SBV011946R1320
0 5.3 21.0 mm 13-14 23-24	0 9.2 32.0 mm 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24
LS32M3[2]B02 1SBV01193[2]R1202	LS32M3[8]B02 1SBV01193[8]R1202	LS32M4[ ]B02 1SBV01194[ ]R1202	LS32M42B02 1SBV011942R1202	LS32M45B02 1SBV011945R1202	LS32M46B02 1SBV011946R1202
0 5.1 8.6 13.1 21.0 mm 11-12 21-22 11-12 21-22	0 8.8 14.6 22.8 32.0 mm 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22
0.175	0.180	0.235	0.255	0.250	0.255

[4] Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



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>> Utilization Precautions ..... page 51

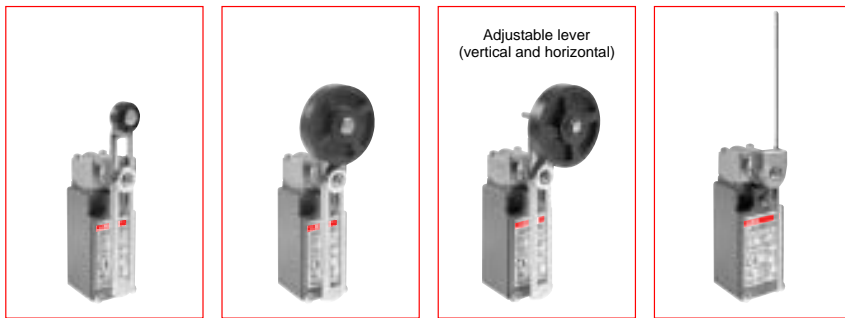
# LS32M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:

### 30° Cam Translation Movement

### Fully Directional...



Actuator

	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable lever with ø50 rubber roller	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

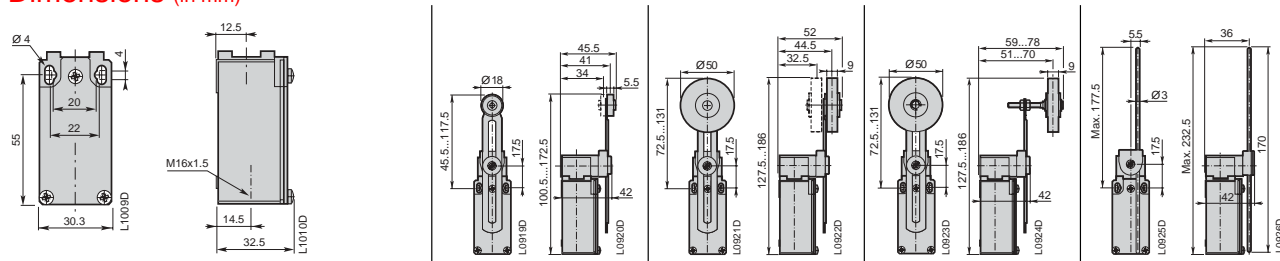
### Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>3</b> Plastic roller <b>1</b>	-	-	Metal rod <b>1</b> Fibre-glass rod <b>2</b>
<b>Snap action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>B11</b> 1SBV01195 <input type="checkbox"/> R1211	<b>LS32M52B11</b> 1SBV011952R1211	<b>LS32M55B11</b> 1SBV011955R1211	<b>LS32M7</b> <input type="checkbox"/> <b>B11</b> 1SBV01197 <input type="checkbox"/> R1211
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Non-overlapping Slow action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>D11</b> 1SBV01195 <input type="checkbox"/> R1411	<b>LS32M52D11</b> 1SBV011952R1411	<b>LS32M55D11</b> 1SBV011955R1411	<b>LS32M7</b> <input type="checkbox"/> <b>D11</b> 1SBV01197 <input type="checkbox"/> R1411
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Overlapping Slow action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>C11</b> 1SBV01195 <input type="checkbox"/> R1511	<b>LS32M52C11</b> 1SBV011952R1511	<b>LS32M55C11</b> 1SBV011955R1511	<b>LS32M7</b> <input type="checkbox"/> <b>C11</b> 1SBV01197 <input type="checkbox"/> R1511
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Slow action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>L02</b> 1SBV01195 <input type="checkbox"/> R1302	<b>LS32M52L02</b> 1SBV011952R1302	<b>LS32M55L02</b> 1SBV011955R1302	<b>LS32M7</b> <input type="checkbox"/> <b>L02</b> 1SBV01197 <input type="checkbox"/> R1302
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Slow action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>L20</b> 1SBV01195 <input type="checkbox"/> R1320	<b>LS32M52L20</b> 1SBV011952R1320	<b>LS32M55L20</b> 1SBV011955R1320	<b>LS32M7</b> <input type="checkbox"/> <b>L20</b> 1SBV01197 <input type="checkbox"/> R1320
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Snap action contacts</b>	<b>LS32M5</b> <input type="checkbox"/> <b>B02</b> 1SBV01195 <input type="checkbox"/> R1202	<b>LS32M52B02</b> 1SBV011952R1202	<b>LS32M55B02</b> 1SBV011955R1202	<b>LS32M7</b> <input type="checkbox"/> <b>B02</b> 1SBV01197 <input type="checkbox"/> R1202
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Weight (packing per unit)</b>	<b>kg</b> 0.245	0.265	0.270	0.245

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

### Dimensions (in mm)



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# LS32M... Limit Switches

Metal Casing IP66 - 30 mm Width

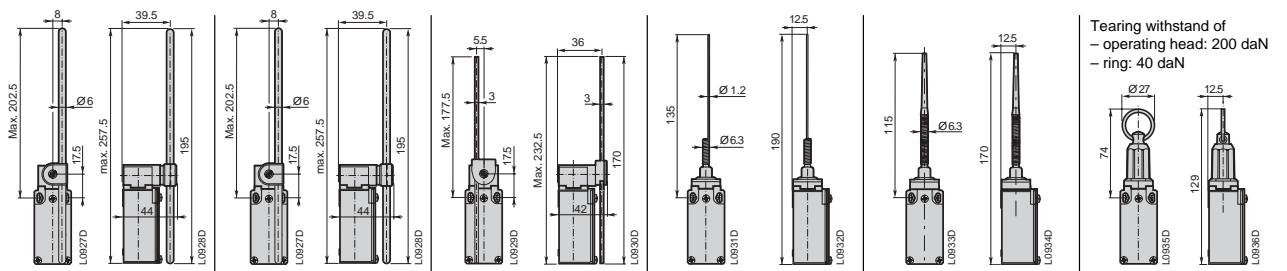
1 Cable Inlet M16 x 1.5 for ISO 16 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
<b>Adjustable ø6 polyamide rod lever</b>	<b>Adjustable ø6 fibre-glass rod lever</b>	<b>Adjustable ø3 square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

<b>LS32M73B11</b> 1SBV011973R1211	<b>LS32M74B11</b> 1SBV011974R1211	<b>LS32M78B11</b> 1SBV011978R1211	<b>LS32M91B11</b> 1SBV011991R1211	<b>LS32M92B11</b> 1SBV011992R1211	<b>LS32M98B11-A</b> 1SBV011998R1211
<b>LS32M73D11</b> 1SBV011973R1411	<b>LS32M74D11</b> 1SBV011974R1411	<b>LS32M78D11</b> 1SBV011978R1411	<b>LS32M91D11</b> 1SBV011991R1411	<b>LS32M92D11</b> 1SBV011992R1411	<b>LS32M98D11-A</b> 1SBV011998R1411
<b>LS32M73C11</b> 1SBV011973R1511	<b>LS32M74C11</b> 1SBV011974R1511	<b>LS32M78C11</b> 1SBV011978R1511	<b>LS32M91C11</b> 1SBV011991R1511	<b>LS32M92C11</b> 1SBV011992R1511	
<b>LS32M73L02</b> 1SBV011973R1302	<b>LS32M74L02</b> 1SBV011974R1302	<b>LS32M78L02</b> 1SBV011978R1302	<b>LS32M91L02</b> 1SBV011991R1302	<b>LS32M92L02</b> 1SBV011992R1302	<b>LS32M98L02-A</b> 1SBV011998R1302
<b>LS32M73L20</b> 1SBV011973R1320	<b>LS32M74L20</b> 1SBV011974R1320	<b>LS32M78L20</b> 1SBV011978R1320	<b>LS32M91L20</b> 1SBV011991R1320	<b>LS32M92L20</b> 1SBV011992R1320	<b>LS32M98L20-A</b> 1SBV011998R1320
<b>LS32M73B02</b> 1SBV011973R1202	<b>LS32M74B02</b> 1SBV011974R1202	<b>LS32M78B02</b> 1SBV011978R1202	<b>LS32M91B02</b> 1SBV011991R1202	<b>LS32M92B02</b> 1SBV011992R1202	
0.255	0.255	0.240	0.180	0.185	0.215

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



Tearing withstand of  
- operating head: 200 daN  
- ring: 40 daN

>> Description, Travel and Technical Data ..... pages 4...11

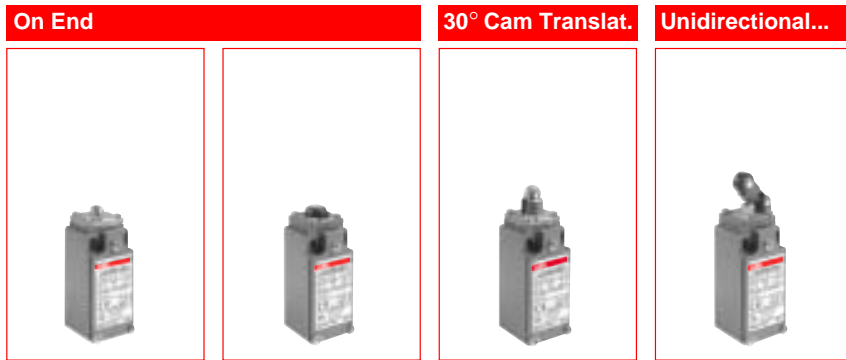
>> Accessories ..... page 48

>> Utilization Precautions ..... page 51

# LS33M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Plain plunger with dust protection cup	Roller plunger	Plastic roller lever on plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	EN 50047 (B shape) $\ominus$	EN 50047 (B shape) $\ominus$	EN 50047 (C shape) $\ominus$	EN 50047 (E shape) $\ominus$
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

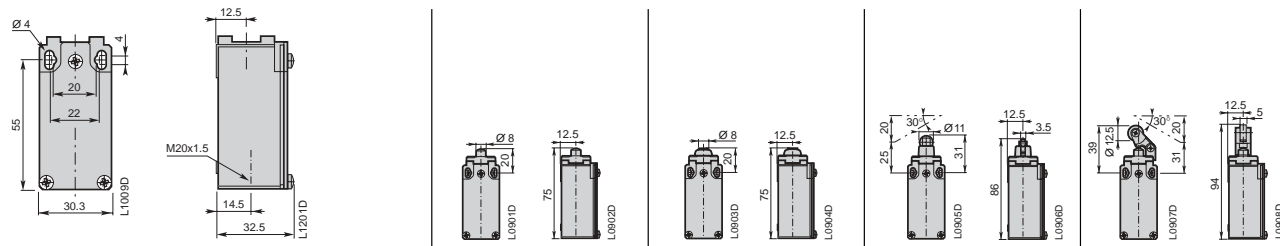
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal plunger <b>4</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>
<b>Snap action contacts</b> 	<b>LS33M11B11</b> 1SBV013811R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS33M14B11</b> 1SBV013814R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS33M12B11</b> 1SBV013812R1211 0 3.0 4.8 7.7 9.6 mm	<b>LS33M31B11</b> 1SBV013831R1211 0 4.9 9.0 14.5 21.0 mm
<b>Non-overlapping Slow action contacts</b> 	<b>LS33M11D11</b> 1SBV013811R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS33M14D11</b> 1SBV013814R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS33M12D11</b> 1SBV013812R1411 0 3.4 6.3 9.6 mm 5.1	<b>LS33M31D11</b> 1SBV013831R1411 0 6.0 10.5 21.0 mm 8.6
<b>Overlapping Slow action contacts</b> 	<b>LS33M11C11</b> 1SBV013811R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS33M14C11</b> 1SBV013814R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS33M12C11</b> 1SBV013812R1511 0 5.7 8.6 9.6 mm 3.2	<b>LS33M31C11</b> 1SBV013831R1511 0 10.2 14.6 21.0 mm 5.4
<b>Slow action contacts</b> 	<b>LS33M11L02</b> 1SBV013811R1302 0 1.9 3.5 5.6 mm	<b>LS33M14L02</b> 1SBV013814R1302 0 1.9 3.5 5.6 mm	<b>LS33M12L02</b> 1SBV013812R1302 0 3.4 6.3 9.6 mm	<b>LS33M31L02</b> 1SBV013831R1302 0 5.7 10.2 21.0 mm
<b>Slow action contacts</b> 	<b>LS33M11L20</b> 1SBV013811R1320 0 1.8 5.6 mm	<b>LS33M14L20</b> 1SBV013814R1320 0 1.8 5.6 mm	<b>LS33M12L20</b> 1SBV013812R1320 0 3.2 9.6 mm	<b>LS33M31L20</b> 1SBV013831R1320 0 5.3 21.0 mm
<b>Snap action contacts</b> 	<b>LS33M11B02</b> 1SBV013811R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS33M14B02</b> 1SBV013814R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS33M12B02</b> 1SBV013812R1202 0 3.2 5.0 7.9 9.6 mm	<b>LS33M31B02</b> 1SBV013831R1202 0 5.1 8.6 13.1 21.0 mm
<b>Weight (packing per unit)</b>	<b>kg</b> 0.180	0.180	0.185	0.175

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)




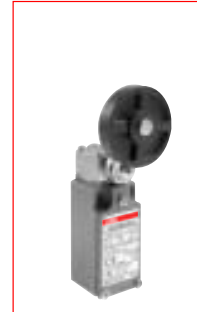
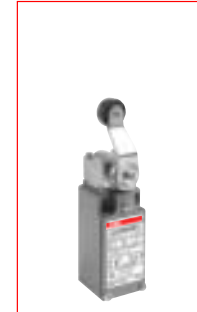
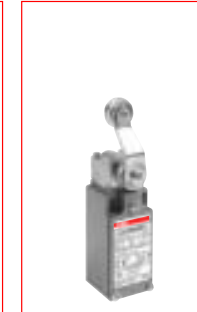





















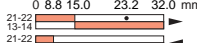


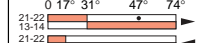
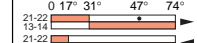












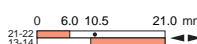
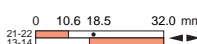
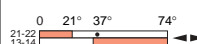
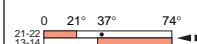
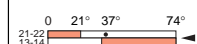
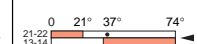












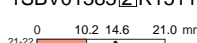
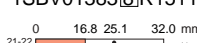

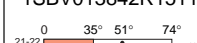
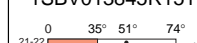
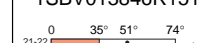












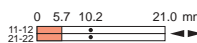
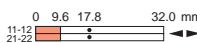

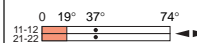
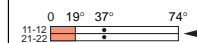
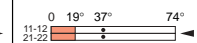






























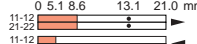

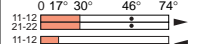
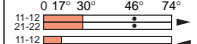
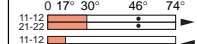
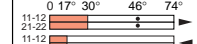
>> Description, Travel and Technical Data ..... pages 4...11      >> Accessories ..... page 48      >> Utilization Precautions ..... page 51


# LS33M... Limit Switches



Metal Casing IP66 - 30 mm Width

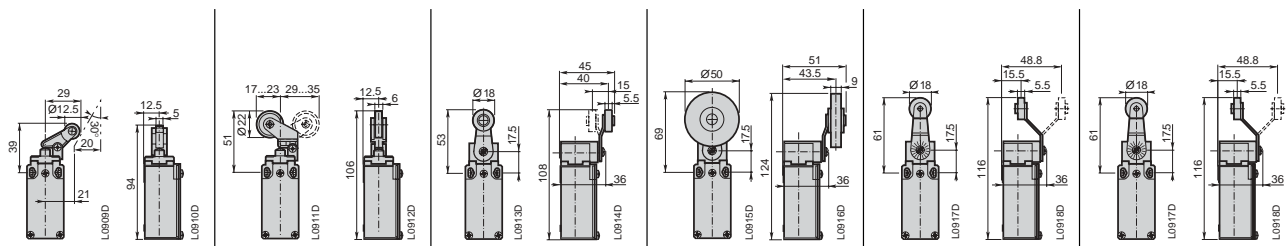
1 Cable Inlet M20 x 1.5 for ISO 20 Cable Gland

Unidirectional 30° Cam Translation		30° Cam Translation Movement			
					
Plastic roller lever on plunger	Adjustable plastic roller lever on plunger	ø18 roller lever	ø50 rubber roller lever	ø18 plastic roller with bent lever	ø18 steel roller with bent lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	EN 50047 (A shape) 1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger 	Metal plunger 	Metal roller 	-	-	-
Plastic plunger 	Plastic plunger 	Plastic roller 	-	-	-
<b>LS33M3B11</b> 1SBV01383  R1211	<b>LS33M3B11</b> 1SBV01383  R1211	<b>LS33M4B11</b> 1SBV01384  R1211	<b>LS33M4B11</b> 1SBV01384  R1211	<b>LS33M4B11</b> 1SBV01384  R1211	<b>LS33M4B11</b> 1SBV01384  R1211
0 4.9 9.0 14.5 21.0 mm 	0 8.8 15.0 23.2 32.0 mm 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 
<b>LS33M3D11</b> 1SBV01383  R1411	<b>LS33M3D11</b> 1SBV01383  R1411	<b>LS33M4D11</b> 1SBV01384  R1411	<b>LS33M4D11</b> 1SBV01384  R1411	<b>LS33M4D11</b> 1SBV01384  R1411	<b>LS33M4D11</b> 1SBV01384  R1411
0 6.0 10.5 21.0 mm 8.6 	0 10.6 18.5 32.0 mm 15.1 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 
<b>LS33M3C11</b> 1SBV01383  R1511	<b>LS33M3C11</b> 1SBV01383  R1511	<b>LS33M4C11</b> 1SBV01384  R1511	<b>LS33M4C11</b> 1SBV01384  R1511	<b>LS33M4C11</b> 1SBV01384  R1511	<b>LS33M4C11</b> 1SBV01384  R1511
0 10.2 14.6 21.0 mm 5.4 	0 16.8 25.1 32.0 mm 9.4 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 
<b>LS33M3L02</b> 1SBV01383  R1302	<b>LS33M3L02</b> 1SBV01383  R1302	<b>LS33M4L02</b> 1SBV01384  R1302	<b>LS33M4L02</b> 1SBV01384  R1302	<b>LS33M4L02</b> 1SBV01384  R1302	<b>LS33M4L02</b> 1SBV01384  R1302
0 5.7 10.2 21.0 mm 	0 9.6 17.8 32.0 mm 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 
<b>LS33M3L20</b> 1SBV01383  R1320	<b>LS33M3L20</b> 1SBV01383  R1320	<b>LS33M4L20</b> 1SBV01384  R1320	<b>LS33M4L20</b> 1SBV01384  R1320	<b>LS33M4L20</b> 1SBV01384  R1320	<b>LS33M4L20</b> 1SBV01384  R1320
0 5.3 21.0 mm 	0 9.2 32.0 mm 	0 18° 74° 	0 18° 74° 	0 18° 74° 	0 18° 74° 
<b>LS33M3B02</b> 1SBV01383  R1202	<b>LS33M3B02</b> 1SBV01383  R1202	<b>LS33M4B02</b> 1SBV01384  R1202	<b>LS33M4B02</b> 1SBV01384  R1202	<b>LS33M4B02</b> 1SBV01384  R1202	<b>LS33M4B02</b> 1SBV01384  R1202
0 5.1 8.6 13.1 21.0 mm 	0 8.8 14.6 22.8 32.0 mm 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 
0.175	0.180	0.235	0.255	0.250	0.255

 Special heads, accessories and special contact arrangement or particular function: please consult us.

 Closed contact /  Open contact



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>> Accessories ..... page 48

>> Utilization Precautions ..... page 51

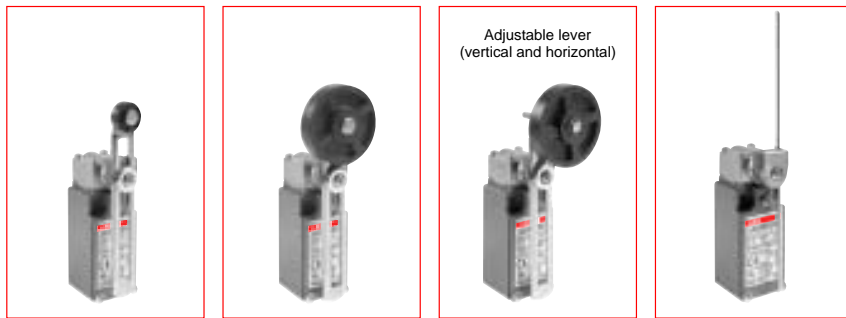
# LS33M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:

### 30° Cam Translation Movement

### Fully Directional...



Actuator

	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable lever with ø50 rubber roller	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

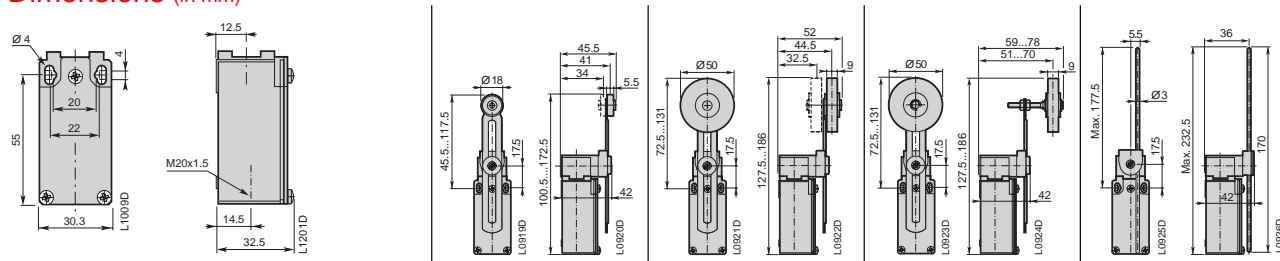
### Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>3</b> Plastic roller <b>1</b>	-	-	Metal rod <b>1</b> Fibre-glass rod <b>2</b>
<b>Snap action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>B11</b> 1SBV01385 <input type="checkbox"/> R1211	<b>LS33M52B11</b> 1SBV013852R1211	<b>LS33M55B11</b> 1SBV013855R1211	<b>LS33M7</b> <input type="checkbox"/> <b>B11</b> 1SBV01387 <input type="checkbox"/> R1211
	0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 17° 31° 47° 74°
<b>Non-overlapping Slow action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>D11</b> 1SBV01385 <input type="checkbox"/> R1411	<b>LS33M52D11</b> 1SBV013852R1411	<b>LS33M55D11</b> 1SBV013855R1411	<b>LS33M7</b> <input type="checkbox"/> <b>D11</b> 1SBV01387 <input type="checkbox"/> R1411
	0 21° 37° 74° 30°	0 21° 37° 74° 30°	0 21° 37° 74° 30°	0 21° 37° 74° 30°
<b>Overlapping Slow action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>C11</b> 1SBV01385 <input type="checkbox"/> R1511	<b>LS33M52C11</b> 1SBV013852R1511	<b>LS33M55C11</b> 1SBV013855R1511	<b>LS33M7</b> <input type="checkbox"/> <b>C11</b> 1SBV01387 <input type="checkbox"/> R1511
	0 35° 51° 74° 18°	0 35° 51° 74° 18°	0 35° 51° 74° 18°	0 35° 51° 74° 18°
<b>Slow action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>L02</b> 1SBV01385 <input type="checkbox"/> R1302	<b>LS33M52L02</b> 1SBV013852R1302	<b>LS33M55L02</b> 1SBV013855R1302	<b>LS33M7</b> <input type="checkbox"/> <b>L02</b> 1SBV01387 <input type="checkbox"/> R1302
	0 19° 37° 74°	0 19° 37° 74°	0 19° 37° 74°	0 19° 37° 74°
<b>Slow action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>L20</b> 1SBV01385 <input type="checkbox"/> R1320	<b>LS33M52L20</b> 1SBV013852R1320	<b>LS33M55L20</b> 1SBV013855R1320	<b>LS33M7</b> <input type="checkbox"/> <b>L20</b> 1SBV01387 <input type="checkbox"/> R1320
	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24
<b>Snap action contacts</b>	<b>LS33M5</b> <input type="checkbox"/> <b>B02</b> 1SBV01385 <input type="checkbox"/> R1202	<b>LS33M52B02</b> 1SBV013852R1202	<b>LS33M55B02</b> 1SBV013855R1202	<b>LS33M7</b> <input type="checkbox"/> <b>B02</b> 1SBV01387 <input type="checkbox"/> R1202
	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22
<b>Weight (packing per unit)</b>	<b>kg</b>	<b>0.245</b>	<b>0.265</b>	<b>0.270</b>
				<b>0.245</b>

Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact

### Dimensions (in mm)



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# LS33M... Limit Switches

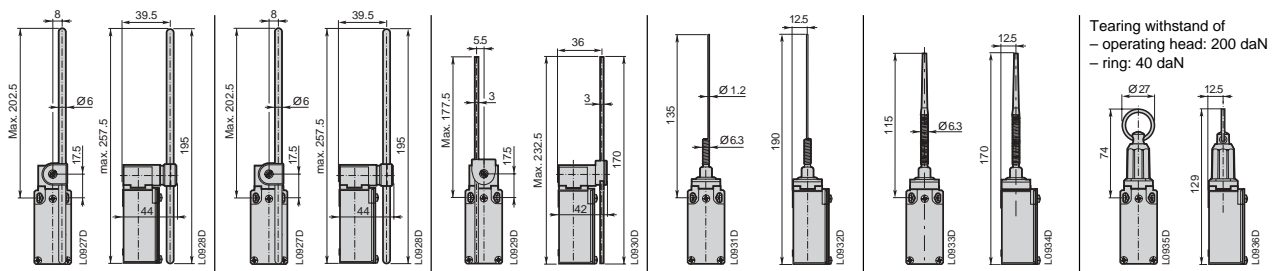
Metal Casing IP66 - 30 mm Width  
1 Cable Inlet M20 x 1.5 for ISO 20 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
Adjustable ø6 polyamide rod lever	Adjustable ø6 fibre-glass rod lever	Adjustable ø3 square steel rod lever	Spring rod	Flexible rod with insulated end	Pull action with ring
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

<b>LS33M73B11</b> 1SBV013873R1211	<b>LS33M74B11</b> 1SBV013874R1211	<b>LS33M78B11</b> 1SBV013878R1211	<b>LS33M91B11</b> 1SBV013891R1211	<b>LS33M92B11</b> 1SBV013892R1211	<b>LS33M98B11-A</b> 1SBV013898R1211
0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 12° 23° 36°	0 12° 23° 36°	0 0.9 2.0 5.6 mm
21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14
<b>LS33M73D11</b> 1SBV013873R1411	<b>LS33M74D11</b> 1SBV013874R1411	<b>LS33M78D11</b> 1SBV013878R1411	<b>LS33M91D11</b> 1SBV013891R1411	<b>LS33M92D11</b> 1SBV013892R1411	<b>LS33M98D11-A</b> 1SBV013898R1411
0 21° 37° 74°	0 21° 37° 74°	0 21° 37° 74°	0 14° 36°	0 14° 36°	0 1.0 5.6 mm
21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14
<b>LS33M73C11</b> 1SBV013873R1511	<b>LS33M74C11</b> 1SBV013874R1511	<b>LS33M78C11</b> 1SBV013878R1511	<b>LS33M91C11</b> 1SBV013891R1511	<b>LS32M92C11</b> 1SBV013892R1511	
0 35° 51° 74°	0 35° 51° 74°	0 35° 51° 74°	0 25° 36°	0 25° 36°	
21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	21-22 13-14	
<b>LS33M73L02</b> 1SBV013873R1302	<b>LS33M74L02</b> 1SBV013874R1302	<b>LS33M78L02</b> 1SBV013878R1302	<b>LS33M91L02</b> 1SBV013891R1302	<b>LS33M92L02</b> 1SBV013892R1302	<b>LS33M98L02-A</b> 1SBV013898R1302
0 19° 37° 74°	0 19° 37° 74°	0 19° 37° 74°	0 14° 36°	0 14° 36°	0 2.0 5.6 mm
11-12 21-22	11-12 21-22	11-12 21-22	11-12 21-22	11-12 21-22	11-12 21-22
<b>LS33M73L20</b> 1SBV013873R1320	<b>LS33M74L20</b> 1SBV013874R1320	<b>LS33M78L20</b> 1SBV013878R1320	<b>LS33M91L20</b> 1SBV013891R1320	<b>LS33M92L20</b> 1SBV013892R1320	<b>LS33M98L20-A</b> 1SBV013898R1320
0 18° 74°	0 18° 74°	0 18° 74°	0 13° 36°	0 13° 36°	0 1.8 5.6 mm
13-14 23-24	13-14 23-24	13-14 23-24	13-14 23-24	13-14 23-24	13-14 23-24
<b>LS33M73B02</b> 1SBV013873R1202	<b>LS33M74B02</b> 1SBV013874R1202	<b>LS33M78B02</b> 1SBV013878R1202	<b>LS33M91B02</b> 1SBV013891R1202	<b>LS33M92B02</b> 1SBV013892R1202	
0 17° 30° 46° 74°	0 17° 30° 46° 74°	0 17° 30° 46° 74°	0 12° 22° 36°	0 12° 22° 36°	
11-12 21-22	11-12 21-22	11-12 21-22	11-12 21-22	11-12 21-22	
0.255	0.255	0.240	0.180	0.185	0.215

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



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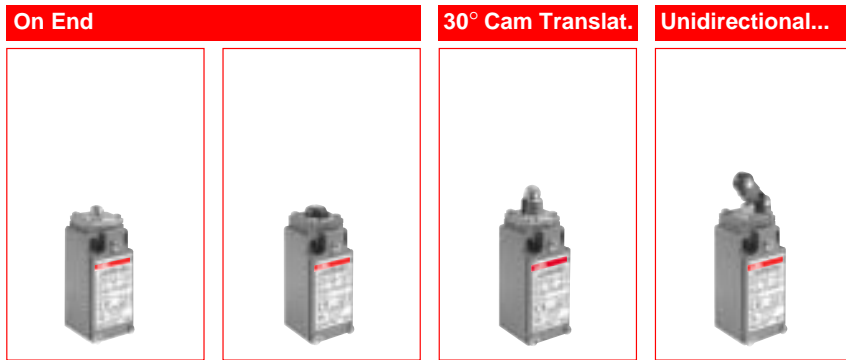
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>> Utilization Precautions ..... page 51

# LS35M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet for 1/2" NPT Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Plain plunger with dust protection cup	Roller plunger	Plastic roller lever on plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	EN 50047 (B shape) $\ominus$	EN 50047 (B shape) $\ominus$	EN 50047 (C shape) $\ominus$	EN 50047 (E shape) $\ominus$
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

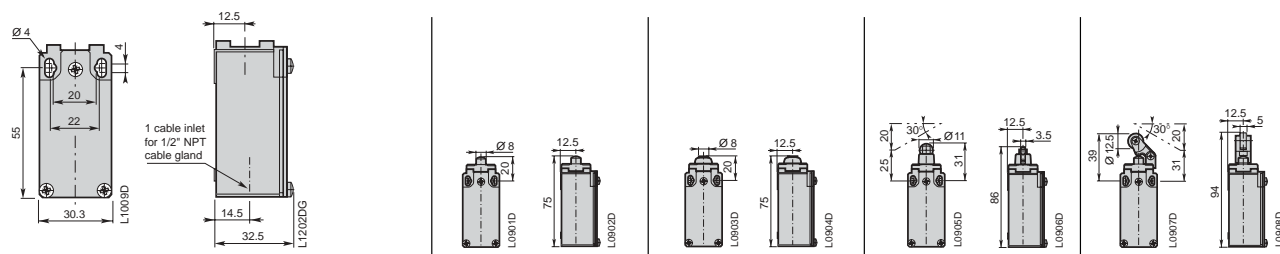
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal plunger <b>4</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>
<b>Snap action contacts</b> 	<b>LS35M11B11</b> 1SBV013711R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS35M14B11</b> 1SBV013714R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS35M12B11</b> 1SBV013712R1211 0 3.0 4.8 7.7 9.6 mm	<b>LS35M31B11</b> 1SBV013731R1211 0 4.9 9.0 14.5 21.0 mm
<b>Non-overlapping Slow action contacts</b> 	<b>LS35M11D11</b> 1SBV013711R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS35M14D11</b> 1SBV013714R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS35M12D11</b> 1SBV013712R1411 0 3.4 6.3 9.6 mm 5.1	<b>LS35M31D11</b> 1SBV013731R1411 0 6.0 10.5 21.0 mm 8.6
<b>Overlapping Slow action contacts</b> 	<b>LS35M11C11</b> 1SBV013711R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS35M14C11</b> 1SBV013714R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS35M12C11</b> 1SBV013712R1511 0 5.7 8.6 9.6 mm 3.2	<b>LS35M31C11</b> 1SBV013731R1511 0 10.2 14.6 21.0 mm 5.4
<b>Slow action contacts</b> 	<b>LS35M11L02</b> 1SBV013711R1302 0 1.9 3.5 5.6 mm	<b>LS35M14L02</b> 1SBV013714R1302 0 1.9 3.5 5.6 mm	<b>LS35M12L02</b> 1SBV013712R1302 0 3.4 6.3 9.6 mm	<b>LS35M31L02</b> 1SBV013731R1302 0 5.7 10.2 21.0 mm
<b>Slow action contacts</b> 	<b>LS35M11L20</b> 1SBV013711R1320 0 1.8 5.6 mm	<b>LS35M14L20</b> 1SBV013714R1320 0 1.8 5.6 mm	<b>LS35M12L20</b> 1SBV013712R1320 0 3.2 9.6 mm	<b>LS35M31L20</b> 1SBV013731R1320 0 5.3 21.0 mm
<b>Snap action contacts</b> 	<b>LS35M11B02</b> 1SBV013711R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS35M14B02</b> 1SBV013714R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS35M12B02</b> 1SBV013712R1202 0 3.2 5.0 7.9 9.6 mm	<b>LS35M31B02</b> 1SBV013731R1202 0 5.1 8.6 13.1 21.0 mm
<b>Weight (packing per unit)</b>	<b>kg</b> 0.180	0.180	0.185	0.175

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact




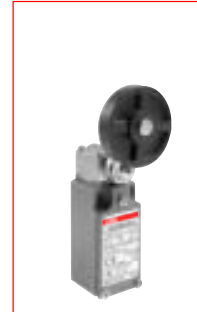
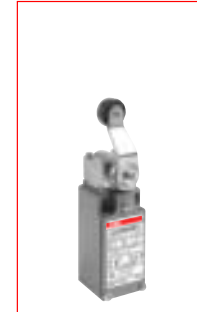
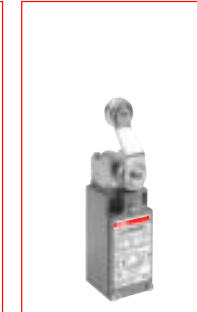
## Dimensions (in mm)



















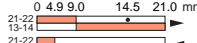
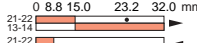
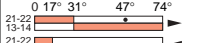
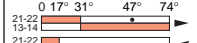
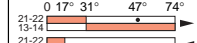
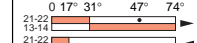











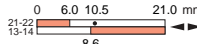
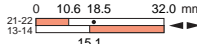
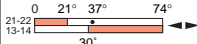

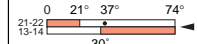
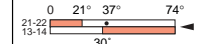












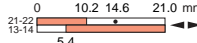
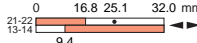
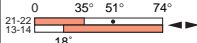
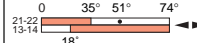
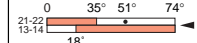
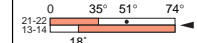













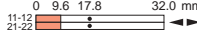

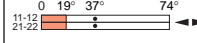














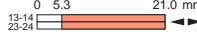




















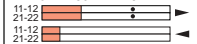





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
# LS35M... Limit Switches

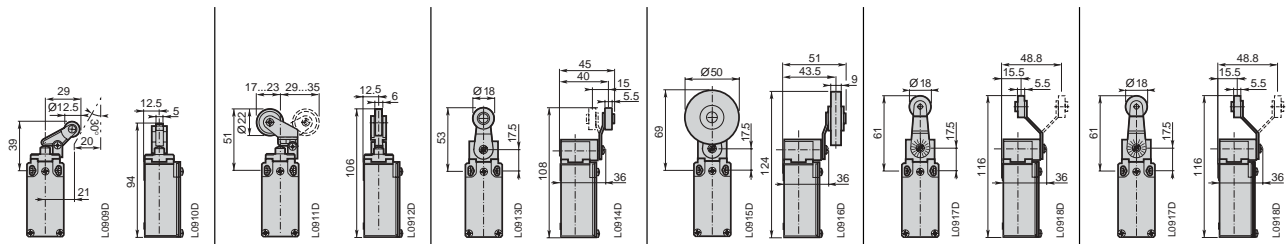
Metal Casing IP66 - 30 mm Width  
1 Cable Inlet for 1/2" NPT Cable Gland

Unidirectional 30° Cam Translation		30° Cam Translation Movement			
					
Plastic roller lever on plunger	Adjustable plastic roller lever on plunger	ø18 roller lever	ø50 rubber roller lever	ø18 plastic roller with bent lever	ø18 steel roller with bent lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	EN 50047 (A shape) 1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger 	Metal plunger 	Metal roller 	-	-	-
Plastic plunger 	Plastic plunger 	Plastic roller 	-	-	-
<b>LS35M3B11</b> 1SBV01373  R1211	<b>LS35M3B11</b> 1SBV01373  R1211	<b>LS35M4B11</b> 1SBV01374  R1211	<b>LS35M4B11</b> 1SBV01374  R1211	<b>LS35M4B11</b> 1SBV01374  R1211	<b>LS35M4B11</b> 1SBV01374  R1211
0 4.9 9.0 14.5 21.0 mm 	0 8.8 15.0 23.2 32.0 mm 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 
<b>LS35M3D11</b> 1SBV01373  R1411	<b>LS35M3D11</b> 1SBV01373  R1411	<b>LS35M4D11</b> 1SBV01374  R1411	<b>LS35M4D11</b> 1SBV 01 3742 R1411	<b>LS35M4D11</b> 1SBV01374  R1411	<b>LS35M4D11</b> 1SBV01374  R1411
0 6.0 10.5 21.0 mm 8.6 	0 10.6 18.5 32.0 mm 15.1 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 
<b>LS35M3C11</b> 1SBV01373  R1511	<b>LS35M3C11</b> 1SBV01373  R1511	<b>LS35M4C11</b> 1SBV01374  R1511	<b>LS35M4C11</b> 1SBV01374  R1511	<b>LS35M4C11</b> 1SBV01374  R1511	<b>LS35M4C11</b> 1SBV01374  R1511
0 10.2 14.6 21.0 mm 5.4 	0 16.8 25.1 32.0 mm 9.4 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 
<b>LS35M3L02</b> 1SBV01373  R1302	<b>LS35M3L02</b> 1SBV01373  R1302	<b>LS35M4L02</b> 1SBV01374  R1302	<b>LS35M4L02</b> 1SBV01374  R1302	<b>LS35M4L02</b> 1SBV01374  R1302	<b>LS35M4L02</b> 1SBV01374  R1302
0 5.7 10.2 21.0 mm 	0 9.6 17.8 32.0 mm 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 
<b>LS35M3L20</b> 1SBV01373  R1320	<b>LS35M3L20</b> 1SBV01373  R1320	<b>LS35M4L20</b> 1SBV01374  R1320	<b>LS35M4L20</b> 1SBV01374  R1320	<b>LS35M4L20</b> 1SBV01374  R1320	<b>LS35M4L20</b> 1SBV01374  R1320
0 5.3 21.0 mm 	0 9.2 32.0 mm 	0 18° 74° 	0 18° 74° 	0 18° 74° 	0 18° 74° 
<b>LS35M3B02</b> 1SBV01373  R1202	<b>LS35M3B02</b> 1SBV01373  R1202	<b>LS35M4B02</b> 1SBV01374  R1202	<b>LS35M4B02</b> 1SBV01374  R1202	<b>LS35M4B02</b> 1SBV01374  R1202	<b>LS35M4B02</b> 1SBV01374  R1202
0 5.1 8.6 13.1 21.0 mm 	0 8.8 14.6 22.8 32.0 mm 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 
0.175	0.180	0.235	0.255	0.250	0.255

 Special heads, accessories and special contact arrangement or particular function: please consult us.

 Closed contact /  Open contact



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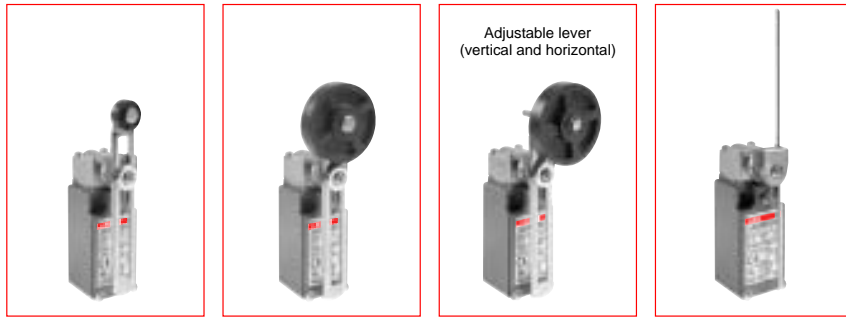
# LS35M... Limit Switches

Metal Casing IP66 - 30 mm Width  
1 Cable Inlet for 1/2" NPT Cable Gland

Movement to be detected:

### 30° Cam Translation Movement

### Fully Directional...



Actuator

	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable lever with ø50 rubber roller	Adjustable ø3 rod lever
Conformity / $\oplus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

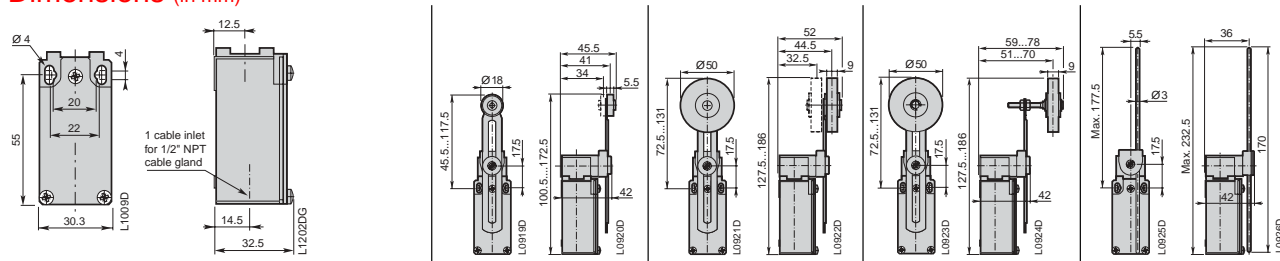
### Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>3</b> Plastic roller <b>1</b>	-	-	Metal rod <b>1</b> Fibre-glass rod <b>2</b>
<b>Snap action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>B11</b> 1SBV01375 <input type="checkbox"/> R1211	<b>LS35M52B11</b> 1SBV013752R1211	<b>LS35M55B11</b> 1SBV013755R1211	<b>LS35M7</b> <input type="checkbox"/> <b>B11</b> 1SBV01377 <input type="checkbox"/> R1211
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Non-overlapping Slow action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>D11</b> 1SBV01375 <input type="checkbox"/> R1411	<b>LS35M52D11</b> 1SBV013752R1411	<b>LS35M55D11</b> 1SBV013755R1411	<b>LS35M7</b> <input type="checkbox"/> <b>D11</b> 1SBV01377 <input type="checkbox"/> R1411
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Overlapping Slow action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>C11</b> 1SBV01375 <input type="checkbox"/> R1511	<b>LS35M52C11</b> 1SBV013752R1511	<b>LS35M55C11</b> 1SBV013755R1511	<b>LS35M7</b> <input type="checkbox"/> <b>C11</b> 1SBV01377 <input type="checkbox"/> R1511
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Slow action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>L02</b> 1SBV01375 <input type="checkbox"/> R1302	<b>LS35M52L02</b> 1SBV013752R1302	<b>LS35M55L02</b> 1SBV013755R1302	<b>LS35M7</b> <input type="checkbox"/> <b>L02</b> 1SBV01377 <input type="checkbox"/> R1302
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Slow action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>L20</b> 1SBV01375 <input type="checkbox"/> R1320	<b>LS35M52L20</b> 1SBV013752R1320	<b>LS35M55L20</b> 1SBV013755R1320	<b>LS35M7</b> <input type="checkbox"/> <b>L20</b> 1SBV01377 <input type="checkbox"/> R1320
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Snap action contacts</b>	<b>LS35M5</b> <input type="checkbox"/> <b>B02</b> 1SBV01375 <input type="checkbox"/> R1202	<b>LS35M52B02</b> 1SBV013752R1202	<b>LS35M55B02</b> 1SBV013755R1202	<b>LS35M7</b> <input type="checkbox"/> <b>B02</b> 1SBV01377 <input type="checkbox"/> R1202
	Operation diagram	Operation diagram	Operation diagram	Operation diagram
<b>Weight (packing per unit)</b>	<b>kg</b>	0.245	0.265	0.270
				0.245

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

### Dimensions (in mm)



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# LS35M... Limit Switches

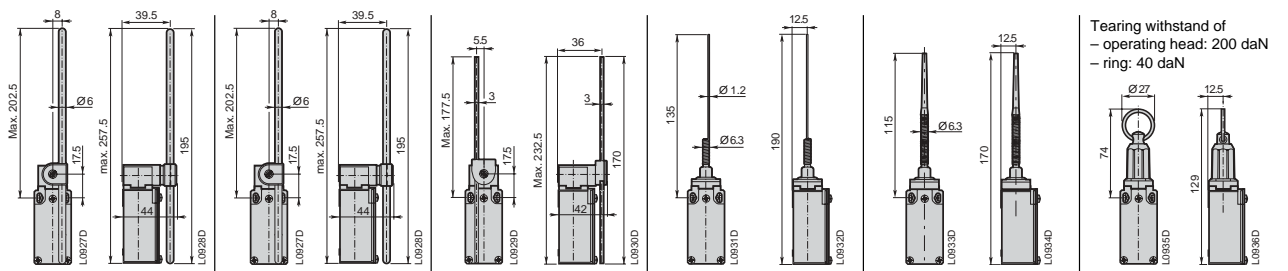
Metal Casing IP66 - 30 mm Width  
1 Cable Inlet for 1/2" NPT Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
Adjustable Ø6 polyamide rod lever	Adjustable Ø6 fibre-glass rod lever	Adjustable Ø3 square steel rod lever	Spring rod	Flexible rod with insulated end	Pull action with ring
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

LS35M73B11 1SBV013773R1211	LS35M74B11 1SBV013774R1211	LS35M78B11 1SBV013778R1211	LS35M91B11 1SBV013791R1211	LS35M92B11 1SBV013792R1211	LS35M98B11-A 1SBV013798R1211
0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 17° 31° 47° 74°	0 12° 23° 36°	0 12° 23° 36°	0 0.9 2.0 5.6 mm
LS35M73D11 1SBV013773R1411	LS35M74D11 1SBV013774R1411	LS35M78D11 1SBV013778R1411	LS35M91D11 1SBV013791R1411	LS35M92D11 1SBV013792R1411	LS35M98D11-A 1SBV013798R1411
0 21° 37° 74°	0 21° 37° 74°	0 21° 37° 74°	0 14° 36°	0 14° 36°	0 1.0 5.6 mm
LS35M73C11 1SBV013773R1511	LS35M74C11 1SBV013774R1511	LS35M78C11 1SBV013778R1511	LS35M91C11 1SBV013791R1511	LS35M92C11 1SBV013792R1511	
0 35° 51° 74°	0 35° 51° 74°	0 35° 51° 74°	0 25° 36°	0 25° 36°	
LS35M73L02 1SBV013773R1302	LS35M74L02 1SBV013774R1302	LS35M78L02 1SBV013778R1302	LS35M91L02 1SBV013791R1302	LS35M92L02 1SBV013792R1302	LS35M98L02-A 1SBV013798R1302
0 19° 37° 74°	0 19° 37° 74°	0 19° 37° 74°	0 14° 36°	0 14° 36°	0 2.0 5.6 mm
LS35M73L20 1SBV013773R1320	LS35M74L20 1SBV013774R1320	LS35M78L20 1SBV013778R1320	LS35M91L20 1SBV013791R1320	LS35M92L20 1SBV013792R1320	LS35M98L20-A 1SBV013798R1320
0 18° 74°	0 18° 74°	0 18° 74°	0 13° 36°	0 13° 36°	0 1.8 5.6 mm
LS35M73B02 1SBV013773R1202	LS35M74B02 1SBV013774R1202	LS35M78B02 1SBV013778R1202	LS35M91B02 1SBV013791R1202	LS35M92B02 1SBV013792R1202	
0 17° 30° 46° 74°	0 17° 30° 46° 74°	0 17° 30° 46° 74°	0 12° 22° 36°	0 12° 22° 36°	
0.255	0.255	0.240	0.180	0.185	0.215

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



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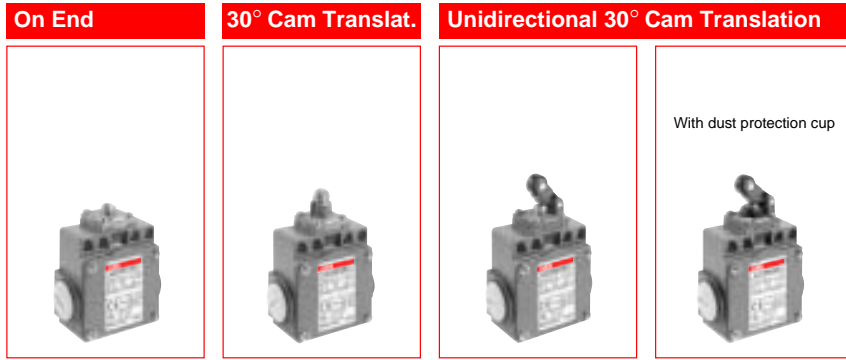
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# LS72M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Roller plunger	Plastic roller lever on plunger	Plastic roller lever on steel plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.3 m/s	1 m/s	1 m/s
Min. force / torque: - actuation	15 N	12 N	7 N	7 N
- positive opening operation	45 N	41 N	24 N	24 N

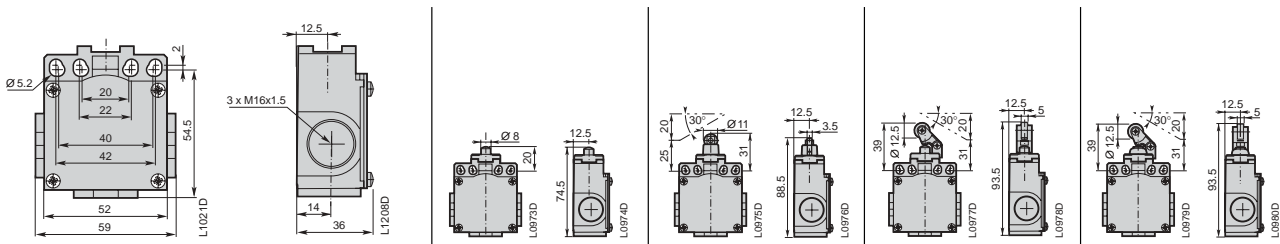
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	-
<b>Snap action contacts</b>	<b>LS72M1 <b>1</b>B11</b> 1SBV01431 <b>1</b> R1211	<b>LS72M1 <b>2</b>B11</b> 1SBV01431 <b>2</b> R1211	<b>LS72M3 <b>1</b>B11</b> 1SBV01433 <b>1</b> R1211	<b>LS72M35B11</b> 1SBV014335R1211
	0 1.7 2.7 4.3 5.6 mm 21-22 13-14 21-22 13-14	0 3.0 4.8 7.7 9.6 mm 21-22 13-14 21-22 13-14	0 4.9 9.0 14.5 21.0 mm 21-22 13-14 21-22 13-14	0 4.9 9.0 14.5 21.0 mm 21-22 13-14 21-22 13-14
<b>Non-overlapping Slow action contacts</b>	<b>LS72M1 <b>1</b>D11</b> 1SBV01431 <b>1</b> R1411	<b>LS72M1 <b>2</b>D11</b> 1SBV01431 <b>2</b> R1411	<b>LS72M3 <b>1</b>D11</b> 1SBV01433 <b>1</b> R1411	<b>LS72M35D11</b> 1SBV014335R1411
	0 1.9 3.5 5.6 mm 21-22 13-14 2.8	0 3.4 6.3 9.6 mm 21-22 13-14 5.1	0 6.0 10.5 21.0 mm 21-22 13-14 8.6	0 6.0 10.5 21.0 mm 21-22 13-14 8.6
<b>Overlapping Slow action contacts</b>	<b>LS72M1 <b>1</b>C11</b> 1SBV01431 <b>1</b> R1511	<b>LS72M1 <b>2</b>C11</b> 1SBV01431 <b>2</b> R1511	<b>LS72M3 <b>1</b>C11</b> 1SBV01433 <b>1</b> R1511	<b>LS72M35C11</b> 1SBV014335R1511
	0 3.2 4.8 5.6 mm 21-22 13-14 1.8	0 5.7 8.6 9.6 mm 21-22 13-14 3.2	0 10.2 14.6 21.0 mm 21-22 13-14 5.4	0 10.2 14.6 21.0 mm 21-22 13-14 5.4
<b>Slow action contacts</b>	<b>LS72M1 <b>1</b>L02</b> 1SBV01431 <b>1</b> R1302	<b>LS72M1 <b>2</b>L02</b> 1SBV01431 <b>2</b> R1302	<b>LS72M3 <b>1</b>L02</b> 1SBV01433 <b>1</b> R1302	<b>LS72M35L02</b> 1SBV014335R1302
	0 1.9 3.5 5.6 mm 11-12 21-22	0 3.4 6.3 9.6 mm 11-12 21-22	0 5.7 10.2 21.0 mm 11-12 21-22	0 5.7 10.2 21.0 mm 11-12 21-22
<b>Slow action contacts</b>	<b>LS72M1 <b>1</b>L20</b> 1SBV01431 <b>1</b> R1320	<b>LS72M1 <b>2</b>L20</b> 1SBV01431 <b>2</b> R1320	<b>LS72M3 <b>1</b>L20</b> 1SBV01433 <b>1</b> R1320	<b>LS72M35L20</b> 1SBV014335R1320
	0 1.8 5.6 mm 13-14 23-24	0 3.2 9.6 mm 13-14 23-24	0 5.3 21.0 mm 13-14 23-24	0 5.3 21.0 mm 13-14 23-24
<b>Snap action contacts</b>	<b>LS72M1 <b>1</b>B02</b> 1SBV01431 <b>1</b> R1202	<b>LS72M1 <b>2</b>B02</b> 1SBV01431 <b>2</b> R1202	<b>LS72M3 <b>1</b>B02</b> 1SBV01433 <b>1</b> R1202	<b>LS72M35B02</b> 1SBV014335R1202
	0 1.8 2.8 4.4 5.6 mm 11-12 21-22 11-12 21-22	0 3.2 5.0 7.9 9.6 mm 11-12 21-22 11-12 21-22	0 5.1 8.6 13.1 21.0 mm 11-12 21-22 11-12 21-22	0 5.1 8.6 13.1 21.0 mm 11-12 21-22 11-12 21-22
<b>Weight (packing per unit)</b>	<b>kg</b> 0.270	0.280	0.265	0.265

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact




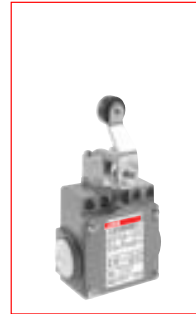

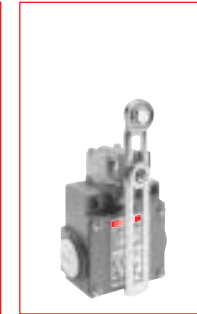
## Dimensions (in mm)



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# LS72M... Limit Switches

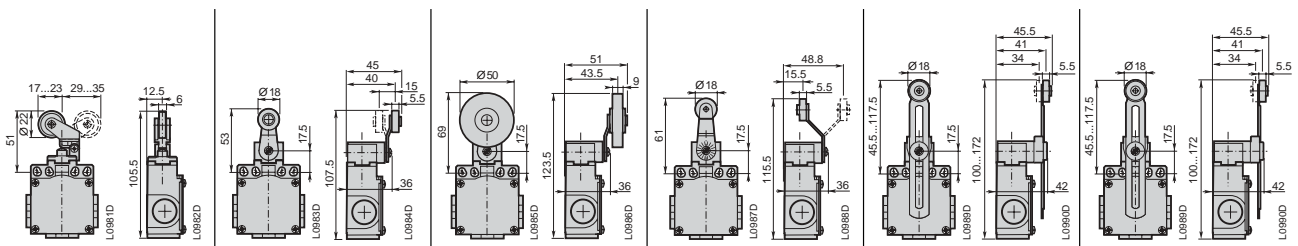
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Unidirectional...		30° Cam Translation Movement			
					
Adjustable plastic roller lever on plunger	ø18 roller lever	ø50 rubber roller lever	ø18 roller with bent lever	Adjustable ø18 plastic roller lever	Adjustable ø18 steel roller lever
1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger [8] Plastic plunger [★]	Metal roller [3] Plastic roller [1]	-	Metal roller [6] Plastic roller [5]	-	-
<b>LS72M3 [8] B11</b> 1SBV01433 [8] R1211	<b>LS72M4 [3] B11</b> 1SBV01434 [3] R1211	<b>LS72M42B11</b> 1SBV014342R1211	<b>LS72M4 [6] B11</b> 1SBV01434 [6] R1211	<b>LS72M51B11</b> 1SBV014351R1211	<b>LS72M53B11</b> 1SBV014353R1211
0 8.8 15.0 23.2 32.0 mm 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14
<b>LS72M3 [8] D11</b> 1SBV01433 [8] R1411	<b>LS72M4 [3] D11</b> 1SBV01434 [3] R1411	<b>LS72M42D11</b> 1SBV014342R1411	<b>LS72M4 [6] D11</b> 1SBV01434 [6] R1411	<b>LS72M51D11</b> 1SBV014351R1411	<b>LS72M53D11</b> 1SBV014353R1411
0 10.6 18.5 32.0 mm 21-22 13-14 15.1	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°
<b>LS72M3 [8] C11</b> 1SBV01433 [8] R1511	<b>LS72M4 [3] C11</b> 1SBV01434 [3] R1511	<b>LS72M42C11</b> 1SBV014342R1511	<b>LS72M4 [6] C11</b> 1SBV01434 [6] R1511	<b>LS72M51C11</b> 1SBV014351R1511	<b>LS72M53C11</b> 1SBV014353R1511
0 16.8 25.1 32.0 mm 21-22 13-14 9.4	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°
<b>LS72M3 [8] L02</b> 1SBV01433 [8] R1302	<b>LS72M4 [3] L02</b> 1SBV01434 [3] R1302	<b>LS72M42L02</b> 1SBV014342R1302	<b>LS72M4 [6] L02</b> 1SBV01434 [6] R1302	<b>LS72M51L02</b> 1SBV014351R1302	<b>LS72M53L02</b> 1SBV014353R1302
0 9.6 17.8 32.0 mm 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22
<b>LS72M3 [8] L20</b> 1SBV01433 [8] R1320	<b>LS72M4 [3] L20</b> 1SBV01434 [3] R1320	<b>LS72M42L20</b> 1SBV014342R1320	<b>LS72M4 [6] L20</b> 1SBV01434 [6] R1320	<b>LS72M51L20</b> 1SBV014351R1320	<b>LS72M53L20</b> 1SBV014353R1320
0 9.2 32.0 mm 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24
<b>LS72M3 [8] B02</b> 1SBV01433 [8] R1202	<b>LS72M4 [3] B02</b> 1SBV01434 [3] R1202	<b>LS72M42B02</b> 1SBV014342R1202	<b>LS72M4 [6] B02</b> 1SBV01434 [6] R1202	<b>LS72M51B02</b> 1SBV014351R1202	<b>LS72M53B02</b> 1SBV014353R1202
0 8.8 14.6 22.8 32.0 mm 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22
0.270	0.325	0.345	0.340	0.340	0.345

Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



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# LS72M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:



Actuator

	Adjustable ø50 rubber roller lever	Flexible lever with insulated end	Coil spring lever	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	-	-	0.32 N.m

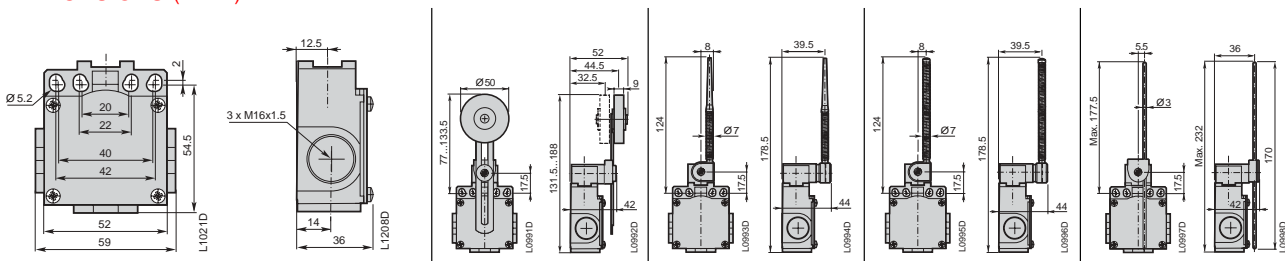
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	-	Metal rod <sup>1</sup> Fibre-glass rod <sup>2</sup>	
Snap action contacts	Type Order code Operation diagram	LS72M52B11 1SBV014352R1211 0 17° 31° 47° 74°	LS72M61B11 1SBV014361R1211 0 17° 31° 74°	LS72M62B11 1SBV014362R1211 0 17° 31° 74°	LS72M7 <input type="checkbox"/> B11 1SBV01437 <input type="checkbox"/> R1211 0 17° 31° 47° 74°
Non-overlapping Slow action contacts	Type Order code Operation diagram	LS72M52D11 1SBV014352R1411 0 21° 37° 74°	LS72M61D11 1SBV014361R1411 0 21° 74°	LS72M62D11 1SBV014362R1411 0 21° 74°	LS72M7 <input type="checkbox"/> D11 1SBV01437 <input type="checkbox"/> R1411 0 21° 37° 74°
Overlapping Slow action contacts	Type Order code Operation diagram	LS72M52C11 1SBV014352R1511 0 35° 51° 74°	LS72M61C11 1SBV014361R1511 0 35° 74°	LS72M62C11 1SBV014362R1511 0 35° 74°	LS72M7 <input type="checkbox"/> C11 1SBV01437 <input type="checkbox"/> R1511 0 35° 51° 74°
Slow action contacts	Type Order code Operation diagram	LS72M52L02 1SBV014352R1302 0 19° 37° 74°	LS72M61L02 1SBV014361R1302 0 19° 74°	LS72M62L02 1SBV014362R1302 0 19° 74°	LS72M7 <input type="checkbox"/> L02 1SBV01437 <input type="checkbox"/> R1302 0 19° 37° 74°
Slow action contacts	Type Order code Operation diagram	LS72M52L20 1SBV014352R1320 0 18° 74°	LS72M61L20 1SBV014361R1320 0 18° 74°	LS72M62L20 1SBV014362R1320 0 18° 74°	LS72M7 <input type="checkbox"/> L20 1SBV01437 <input type="checkbox"/> R1320 0 18° 74°
Snap action contacts	Type Order code Operation diagram	LS72M52B02 1SBV014352R1202 0 17° 30° 46° 74°	LS72M61B02 1SBV014361R1202 0 17° 30° 74°	LS72M62B02 1SBV014362R1202 0 17° 30° 74°	LS72M7 <input type="checkbox"/> B02 1SBV01437 <input type="checkbox"/> R1202 0 17° 30° 46° 74°
Weight (packing per unit)	kg	0.355	0.375	0.380	0.380

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)





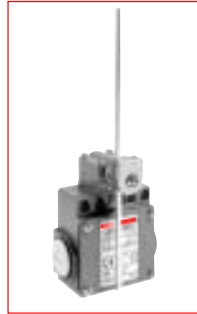
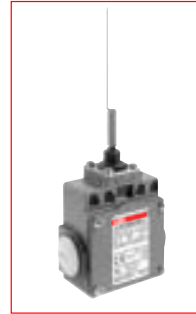


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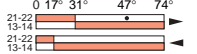
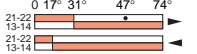
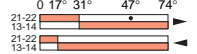
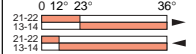
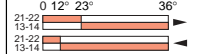
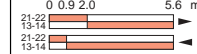
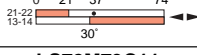
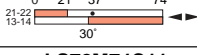
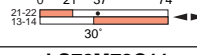
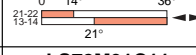
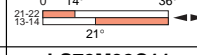

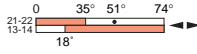
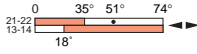
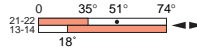
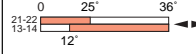
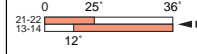
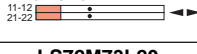
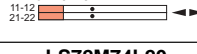
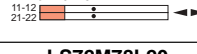
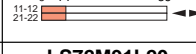
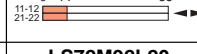




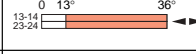
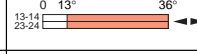

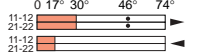
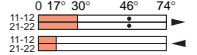
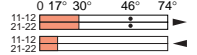
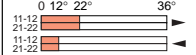
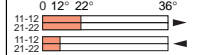
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# LS72M... Limit Switches

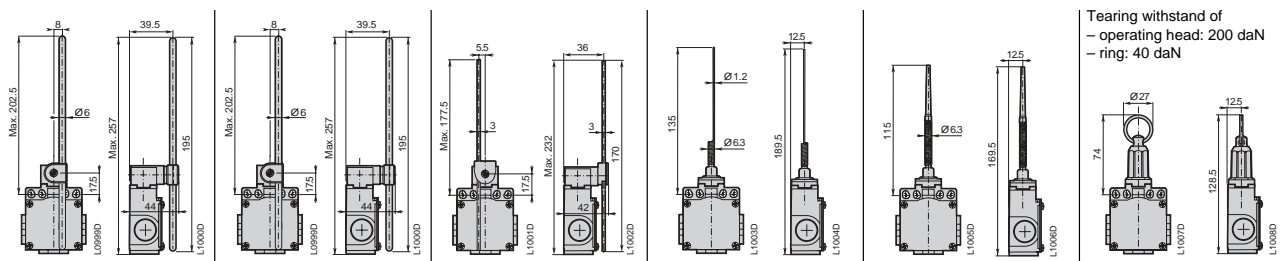
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
					
<b>Adjustable ø6 polyamide rod lever</b>	<b>Adjustable ø6 fibre-glass rod lever</b>	<b>Adjustable ø3 square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m -	1 m/s 0.12 N.m -	0.5 m/s 30 N -

<b>LS72M73B11</b> 1SBV014373R1211	<b>LS72M74B11</b> 1SBV014374R1211	<b>LS72M78B11</b> 1SBV014378R1211	<b>LS72M91B11</b> 1SBV014391R1211	<b>LS72M92B11</b> 1SBV014392R1211	<b>LS72M98B11-A</b> 1SBV014398R1211
					
<b>LS72M73D11</b> 1SBV014373R1411	<b>LS72M74D11</b> 1SBV014374R1411	<b>LS72M78D11</b> 1SBV014378R1411	<b>LS72M91D11</b> 1SBV014391R1411	<b>LS72M92D11</b> 1SBV014392R1411	<b>LS72M98D11-A</b> 1SBV014398R1411
					
<b>LS72M73C11</b> 1SBV014373R1511	<b>LS72M74C11</b> 1SBV014374R1511	<b>LS72M78C11</b> 1SBV014378R1511	<b>LS72M91C11</b> 1SBV014391R1511	<b>LS72M92C11</b> 1SBV014392R1511	
					
<b>LS72M73L02</b> 1SBV014373R1302	<b>LS72M74L02</b> 1SBV014374R1302	<b>LS72M78L02</b> 1SBV014378R1302	<b>LS72M91L02</b> 1SBV014391R1302	<b>LS72M92L02</b> 1SBV014392R1302	<b>LS72M98L02-A</b> 1SBV014398R1302
					
<b>LS72M73L20</b> 1SBV014373R1320	<b>LS72M74L20</b> 1SBV014374R1320	<b>LS72M78L20</b> 1SBV014378R1320	<b>LS72M91L20</b> 1SBV014391R1320	<b>LS72M92L20</b> 1SBV014392R1320	<b>LS72M98L20-A</b> 1SBV014398R1320
					
<b>LS72M73B02</b> 1SBV014373R1202	<b>LS72M74B02</b> 1SBV014374R1202	<b>LS72M78B02</b> 1SBV014378R1202	<b>LS72M91B02</b> 1SBV014391R1202	<b>LS72M92B02</b> 1SBV014392R1202	
					
0.390	0.390	0.375	0.315	0.320	0.350

Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



Tearing withstand of  
- operating head: 200 daN  
- ring: 40 daN

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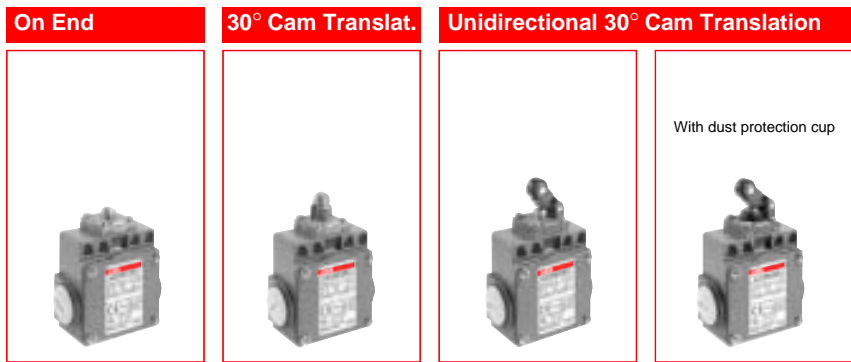
>> Accessories ..... page 48

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# LS73M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Roller plunger	Plastic roller lever on plunger	Plastic roller lever on steel plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.3 m/s	1 m/s	1 m/s
Min. force / torque: - actuation	15 N	12 N	7 N	7 N
- positive opening operation	45 N	41 N	24 N	24 N

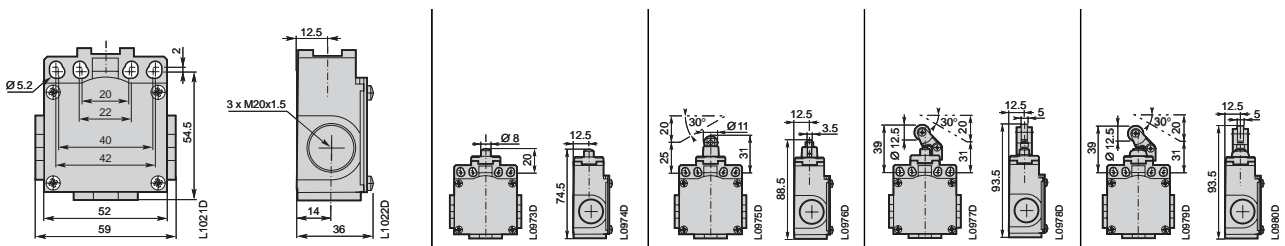
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	-
Snap action contacts 	<b>LS73M1</b> <b>1</b> <b>B11</b> 1SBV01521 <b>1</b> R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS73M1</b> <b>2</b> <b>B11</b> 1SBV01521 <b>2</b> R1211 0 3.0 4.8 7.7 9.6 mm	<b>LS73M3</b> <b>1</b> <b>B11</b> 1SBV01523 <b>1</b> R1211 0 4.9 9.0 14.5 21.0 mm	<b>LS73M35B11</b> 1SBV015235R1211 0 4.9 9.0 14.5 21.0 mm
Non-overlapping Slow action contacts 	<b>LS73M1</b> <b>1</b> <b>D11</b> 1SBV01521 <b>1</b> R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS73M1</b> <b>2</b> <b>D11</b> 1SBV01521 <b>2</b> R1411 0 3.4 6.3 9.6 mm 5.1	<b>LS73M3</b> <b>1</b> <b>D11</b> 1SBV01523 <b>1</b> R1411 0 6.0 10.5 21.0 mm 8.6	<b>LS73M35D11</b> 1SBV015235R1411 0 6.0 10.5 21.0 mm 8.6
Overlapping Slow action contacts 	<b>LS73M1</b> <b>1</b> <b>C11</b> 1SBV01521 <b>1</b> R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS73M1</b> <b>2</b> <b>C11</b> 1SBV01521 <b>2</b> R1511 0 5.7 8.6 9.6 mm 3.2	<b>LS73M3</b> <b>1</b> <b>C11</b> 1SBV01523 <b>1</b> R1511 0 10.2 14.6 21.0 mm 5.4	<b>LS73M35C11</b> 1SBV015235R1511 0 10.2 14.6 21.0 mm 5.4
Slow action contacts 	<b>LS73M1</b> <b>1</b> <b>L02</b> 1SBV01521 <b>1</b> R1302 0 1.9 3.5 5.6 mm	<b>LS73M1</b> <b>2</b> <b>L02</b> 1SBV01521 <b>2</b> R1302 0 3.4 6.3 9.6 mm	<b>LS73M3</b> <b>1</b> <b>L02</b> 1SBV01523 <b>1</b> R1302 0 5.7 10.2 21.0 mm	<b>LS73M35L02</b> 1SBV015235R1302 0 5.7 10.2 21.0 mm
Slow action contacts 	<b>LS73M1</b> <b>1</b> <b>L20</b> 1SBV01521 <b>1</b> R1320 0 1.8 5.6 mm	<b>LS73M1</b> <b>2</b> <b>L20</b> 1SBV01521 <b>2</b> R1320 0 3.2 9.6 mm	<b>LS73M3</b> <b>1</b> <b>L20</b> 1SBV01523 <b>1</b> R1320 0 5.3 21.0 mm	<b>LS73M35L20</b> 1SBV015235R1320 0 5.3 21.0 mm
Snap action contacts 	<b>LS73M1</b> <b>1</b> <b>B02</b> 1SBV01521 <b>1</b> R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS73M1</b> <b>2</b> <b>B02</b> 1SBV01521 <b>2</b> R1202 0 3.2 5.0 7.9 9.6 mm	<b>LS73M3</b> <b>1</b> <b>B02</b> 1SBV01523 <b>1</b> R1202 0 5.1 8.6 13.1 21.0 mm	<b>LS73M35B02</b> 1SBV015235R1202 0 5.1 8.6 13.1 21.0 mm
Weight (packing per unit)	<b>kg</b> 0.270	0.280	0.265	0.265

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)




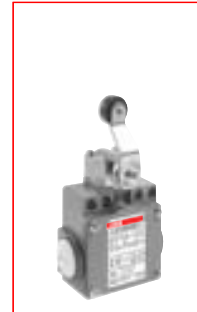

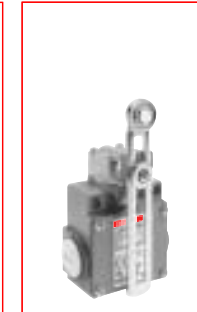


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# LS73M... Limit Switches

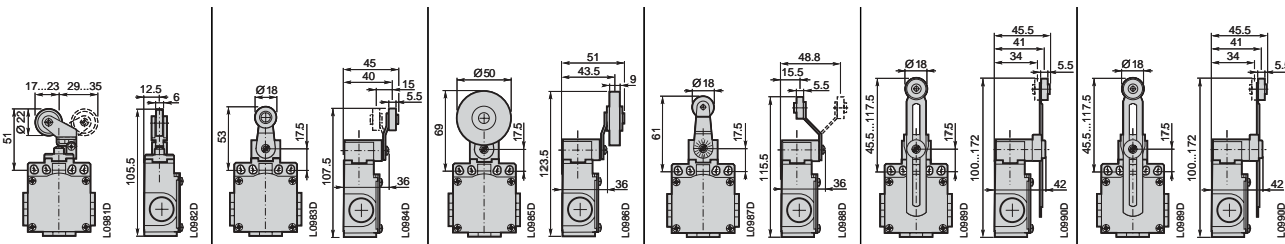
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

## Unidirectional... 30° Cam Translation Movement

					
<b>Adjustable plastic roller lever on plunger</b>	<b>ø18 roller lever</b>	<b>ø50 rubber roller lever</b>	<b>ø18 roller with bent lever</b>	<b>Adjustable ø18 plastic roller lever</b>	<b>Adjustable ø18 steel roller lever</b>
1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger <b>8</b> Plastic plunger <b>*</b>	Metal roller <b>3</b> Plastic roller <b>1</b>	-	Metal roller <b>6</b> Plastic roller <b>5</b>	-	-
<b>LS73M3</b> <b>8</b> <b>B11</b> 1SBV01523 <b>8</b> R1211	<b>LS73M4</b> <b>3</b> <b>B11</b> 1SBV01524 <b>3</b> R1211	<b>LS73M42B11</b> 1SBV015242R1211	<b>LS73M4</b> <b>6</b> <b>B11</b> 1SBV01524 <b>6</b> R1211	<b>LS73M51B11</b> 1SBV015251R1211	<b>LS73M53B11</b> 1SBV015253R1211
0 8.8 15.0 23.2 32.0 mm 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14	0 17° 31° 47° 74° 21-22 13-14
<b>LS73M3</b> <b>8</b> <b>D11</b> 1SBV01523 <b>8</b> R1411	<b>LS73M4</b> <b>3</b> <b>D11</b> 1SBV01524 <b>3</b> R1411	<b>LS73M42D11</b> 1SBV015242R1411	<b>LS73M4</b> <b>6</b> <b>D11</b> 1SBV01524 <b>6</b> R1411	<b>LS73M51D11</b> 1SBV015251R1411	<b>LS73M53D11</b> 1SBV015253R1411
0 10.6 18.5 32.0 mm 21-22 13-14 15.1	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°	0 21° 37° 74° 21-22 13-14 30°
<b>LS73M3</b> <b>8</b> <b>C11</b> 1SBV01523 <b>8</b> R1511	<b>LS73M4</b> <b>3</b> <b>C11</b> 1SBV01524 <b>3</b> R1511	<b>LS73M42C11</b> 1SBV015242R1511	<b>LS73M4</b> <b>6</b> <b>C11</b> 1SBV01524 <b>6</b> R1511	<b>LS73M51C11</b> 1SBV015251R1511	<b>LS73M53C11</b> 1SBV015253R1511
0 16.8 25.1 32.0 mm 21-22 13-14 9.4	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°	0 35° 51° 74° 21-22 13-14 18°
<b>LS73M3</b> <b>8</b> <b>L02</b> 1SBV01523 <b>8</b> R1302	<b>LS73M4</b> <b>3</b> <b>L02</b> 1SBV01524 <b>3</b> R1302	<b>LS73M42L02</b> 1SBV015242R1302	<b>LS73M4</b> <b>6</b> <b>L02</b> 1SBV01524 <b>6</b> R1302	<b>LS73M51L02</b> 1SBV015251R1302	<b>LS73M53L02</b> 1SBV015253R1302
0 9.6 17.8 32.0 mm 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22
<b>LS73M3</b> <b>8</b> <b>L20</b> 1SBV01523 <b>8</b> R1320	<b>LS73M4</b> <b>3</b> <b>L20</b> 1SBV01524 <b>3</b> R1320	<b>LS73M42L20</b> 1SBV015242R1320	<b>LS73M4</b> <b>6</b> <b>L20</b> 1SBV01524 <b>6</b> R1320	<b>LS73M51L20</b> 1SBV015251R1320	<b>LS73M53L20</b> 1SBV015253R1320
0 9.2 32.0 mm 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24
<b>LS73M3</b> <b>8</b> <b>B02</b> 1SBV01523 <b>8</b> R1202	<b>LS73M4</b> <b>3</b> <b>B02</b> 1SBV01524 <b>3</b> R1202	<b>LS73M42B02</b> 1SBV015242R1202	<b>LS73M4</b> <b>6</b> <b>B02</b> 1SBV01524 <b>6</b> R1202	<b>LS73M51B02</b> 1SBV015251R1202	<b>LS73M53B02</b> 1SBV015253R1202
0 8.8 14.6 22.8 32.0 mm 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22
0.270	0.325	0.345	0.340	0.340	0.345

Special heads, accessories and special contact arrangement or particular function: please consult us. ■ Closed contact /  Open contact



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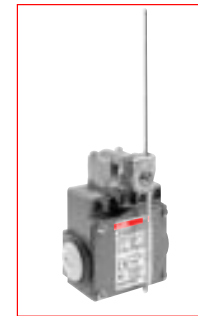
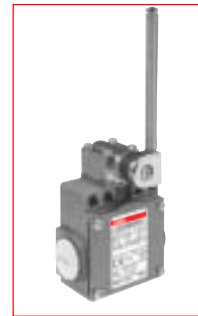
# LS73M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:

30° Cam Translat.

Fully Directional Translation Movement



Actuator

	Adjustable ø50 rubber roller lever	Flexible lever with insulated end	Coil spring lever	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	-	-	0.32 N.m

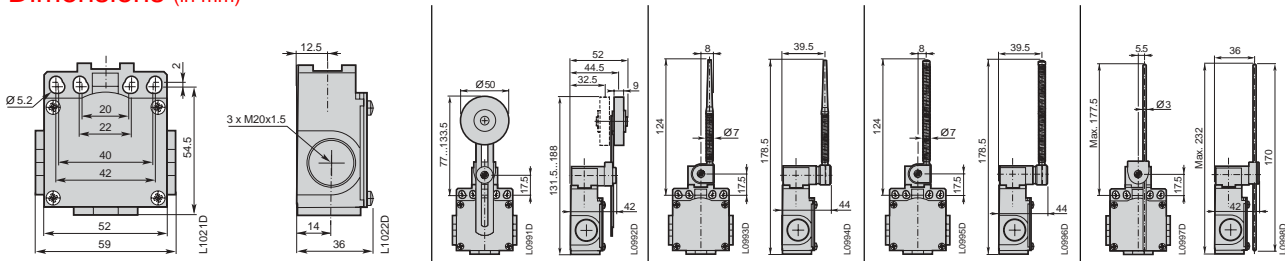
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	-	Metal rod <sup>1</sup> Fibre-glass rod <sup>2</sup>
Snap action contacts	Type Order code	LS73M52B11 1SBV015252R1211	LS73M61B11 1SBV015261R1211	LS73M7 <input type="checkbox"/> B11 1SBV015262R1211
	Operation diagram			
Non-overlapping Slow action contacts	Type Order code	LS73M52D11 1SBV015252R1411	LS73M61D11 1SBV015261R1411	LS73M7 <input type="checkbox"/> D11 1SBV01527 <input type="checkbox"/> R1411
	Operation diagram			
Overlapping Slow action contacts	Type Order code	LS73M52C11 1SBV015252R1511	LS73M61C11 1SBV015261R1511	LS73M7 <input type="checkbox"/> C11 1SBV015262R1511
	Operation diagram			
Slow action contacts	Type Order code	LS73M52L02 1SBV015252R1302	LS73M61L02 1SBV015261R1302	LS73M7 <input type="checkbox"/> L02 1SBV01527 <input type="checkbox"/> R1302
	Operation diagram			
Slow action contacts	Type Order code	LS73M52L20 1SBV015252R1320	LS73M61L20 1SBV015261R1320	LS73M7 <input type="checkbox"/> L20 1SBV01527 <input type="checkbox"/> R1320
	Operation diagram			
Snap action contacts	Type Order code	LS73M52B02 1SBV015252R1202	LS73M61B02 1SBV015261R1202	LS73M7 <input type="checkbox"/> B02 1SBV01527 <input type="checkbox"/> R1202
	Operation diagram			
Weight (packing per unit)	kg	0.355	0.375	0.380

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)



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# LS73M... Limit Switches

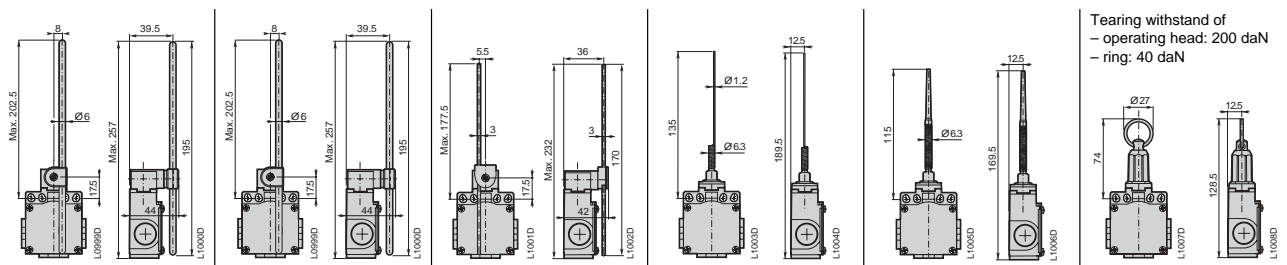
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
<b>Adjustable ø6 polyamide rod lever</b>	<b>Adjustable ø6 fibre-glass rod lever</b>	<b>Adjustable ø3 square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m -	1 m/s 0.12 N.m -	0.5 m/s 30 N -

<b>LS73M73B11</b> 1SBV015273R1211	<b>LS73M74B11</b> 1SBV015274R1211	<b>LS73M78B11</b> 1SBV015278R1211	<b>LS73M91B11</b> 1SBV015291R1211	<b>LS73M92B11</b> 1SBV015292R1211	<b>LS73M98B11-A</b> 1SBV015298R1211
<b>LS73M73D11</b> 1SBV015273R1411	<b>LS73M74D11</b> 1SBV015274R1411	<b>LS73M78D11</b> 1SBV015278R1411	<b>LS73M91D11</b> 1SBV015291R1411	<b>LS73M92D11</b> 1SBV015292R1411	<b>LS73M98D11-A</b> 1SBV015298R1411
<b>LS73M73C11</b> 1SBV015273R1511	<b>LS73M74C11</b> 1SBV015274R1511	<b>LS73M78C11</b> 1SBV015278R1511	<b>LS73M91C11</b> 1SBV015291R1511	<b>LS73M92C11</b> 1SBV015292R1511	
<b>LS73M73L02</b> 1SBV015273R1302	<b>LS73M74L02</b> 1SBV015274R1302	<b>LS73M78L02</b> 1SBV015278R1302	<b>LS73M91L02</b> 1SBV015291R1302	<b>LS73M92L02</b> 1SBV015292R1302	<b>LS73M98L02-A</b> 1SBV015298R1302
<b>LS73M73L20</b> 1SBV015273R1320	<b>LS73M74L20</b> 1SBV015274R1320	<b>LS73M78L20</b> 1SBV015278R1320	<b>LS73M91L20</b> 1SBV015291R1320	<b>LS73M92L20</b> 1SBV015292R1320	<b>LS73M98L20-A</b> 1SBV015298R1320
<b>LS73M73B02</b> 1SBV015273R1202	<b>LS73M74B02</b> 1SBV015274R1202	<b>LS73M78B02</b> 1SBV015278R1202	<b>LS73M91B02</b> 1SBV015291R1202	<b>LS73M92B02</b> 1SBV015292R1202	
0.390	0.390	0.375	0.315	0.320	0.350

☒ Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



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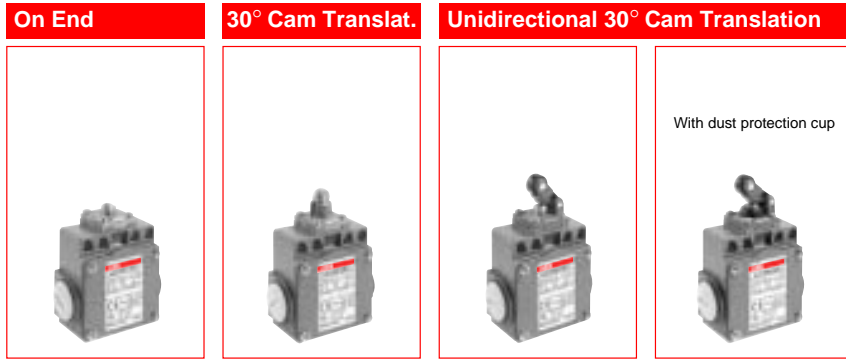
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# LS75M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets for 1/2" NPT Cable Gland

Movement to be detected:



Actuator

	Plain plunger	Roller plunger	Plastic roller lever on plunger	Plastic roller lever on steel plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.3 m/s	1 m/s	1 m/s
Min. force / torque: - actuation	15 N	12 N	7 N	7 N
- positive opening operation	45 N	41 N	24 N	24 N

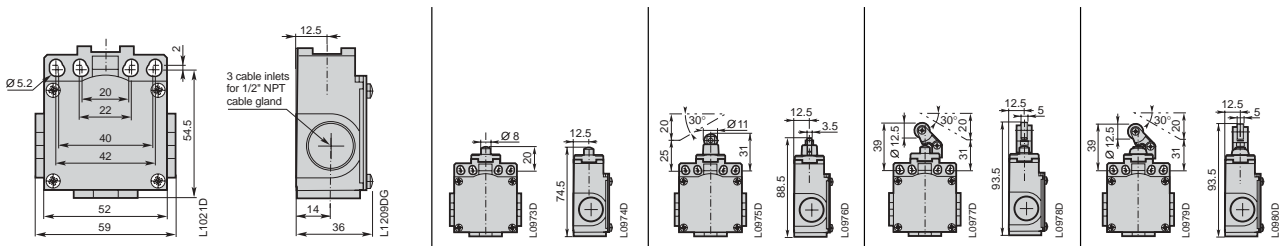
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	Metal roller <b>2</b> Plastic roller <b>3</b>	Metal plunger <b>1</b> Plastic plunger <b>*</b>	-
<b>Snap action contacts</b>	<b>LS75M1</b> <b>1</b> <b>B11</b> 1SBV01511 <b>1</b> R1211	<b>LS75M1</b> <b>2</b> <b>B11</b> 1SBV01511 <b>2</b> R1211	<b>LS75M3</b> <b>1</b> <b>B11</b> 1SBV01513 <b>1</b> R1211	<b>LS75M35B11</b> 1SBV015135R1211
	0 1.7 2.7 4.3 5.6 mm 21-22 13-14 21-22 13-14	0 3.0 4.8 7.7 9.6 mm 21-22 13-14 21-22 13-14	0 4.9 9.0 14.5 21.0 mm 21-22 13-14 21-22 13-14	0 4.9 9.0 14.5 21.0 mm 21-22 13-14 21-22 13-14
<b>Non-overlapping Slow action contacts</b>	<b>LS75M1</b> <b>1</b> <b>D11</b> 1SBV01511 <b>1</b> R1411	<b>LS75M1</b> <b>2</b> <b>D11</b> 1SBV01511 <b>2</b> R1411	<b>LS75M3</b> <b>1</b> <b>D11</b> 1SBV01513 <b>1</b> R1411	<b>LS75M35D11</b> 1SBV015135R1411
	0 1.9 3.5 5.6 mm 21-22 13-14 2.8	0 3.4 6.3 9.6 mm 21-22 13-14 5.1	0 6.0 10.5 21.0 mm 21-22 13-14 8.6	0 6.0 10.5 21.0 mm 21-22 13-14 8.6
<b>Overlapping Slow action contacts</b>	<b>LS75M1</b> <b>1</b> <b>C11</b> 1SBV01511 <b>1</b> R1511	<b>LS75M1</b> <b>2</b> <b>C11</b> 1SBV01511 <b>2</b> R1511	<b>LS75M3</b> <b>1</b> <b>C11</b> 1SBV01513 <b>1</b> R1511	<b>LS75M35C11</b> 1SBV015135R1511
	0 3.2 4.8 5.6 mm 21-22 13-14 1.8	0 5.7 8.6 9.6 mm 21-22 13-14 3.2	0 10.2 14.6 21.0 mm 21-22 13-14 5.4	0 10.2 14.6 21.0 mm 21-22 13-14 5.4
<b>Slow action contacts</b>	<b>LS75M1</b> <b>1</b> <b>L02</b> 1SBV01511 <b>1</b> R1302	<b>LS75M1</b> <b>2</b> <b>L02</b> 1SBV01511 <b>2</b> R1302	<b>LS75M3</b> <b>1</b> <b>L02</b> 1SBV01513 <b>1</b> R1302	<b>LS75M35L02</b> 1SBV015135R1302
	0 1.9 3.5 5.6 mm 11-12 21-22	0 3.4 6.3 9.6 mm 11-12 21-22	0 5.7 10.2 21.0 mm 11-12 21-22	0 5.7 10.2 21.0 mm 11-12 21-22
<b>Slow action contacts</b>	<b>LS75M1</b> <b>1</b> <b>L20</b> 1SBV01511 <b>1</b> R1320	<b>LS75M1</b> <b>2</b> <b>L20</b> 1SBV01511 <b>2</b> R1320	<b>LS75M3</b> <b>1</b> <b>L20</b> 1SBV01513 <b>1</b> R1320	<b>LS75M35L20</b> 1SBV015135R1320
	0 1.8 5.6 mm 13-14 23-24	0 3.2 9.6 mm 13-14 23-24	0 5.3 21.0 mm 13-14 23-24	0 5.3 21.0 mm 13-14 23-24
<b>Snap action contacts</b>	<b>LS75M1</b> <b>1</b> <b>B02</b> 1SBV01511 <b>1</b> R1202	<b>LS75M1</b> <b>2</b> <b>B02</b> 1SBV01511 <b>2</b> R1202	<b>LS75M3</b> <b>1</b> <b>B02</b> 1SBV01513 <b>1</b> R1202	<b>LS75M35B02</b> 1SBV015135R1202
	0 1.8 2.8 4.4 5.6 mm 11-12 21-22 11-12 21-22	0 3.2 5.0 7.9 9.6 mm 11-12 21-22 11-12 21-22	0 5.1 8.6 13.1 21.0 mm 11-12 21-22 11-12 21-22	0 5.1 8.6 13.1 21.0 mm 11-12 21-22 11-12 21-22
<b>Weight (packing per unit)</b>	<b>kg</b> 0.270	0.280	0.265	0.265

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)




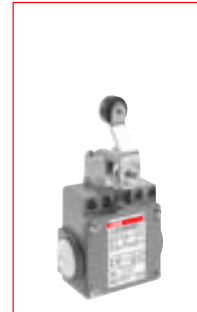

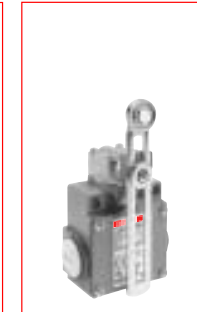


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# LS75M... Limit Switches

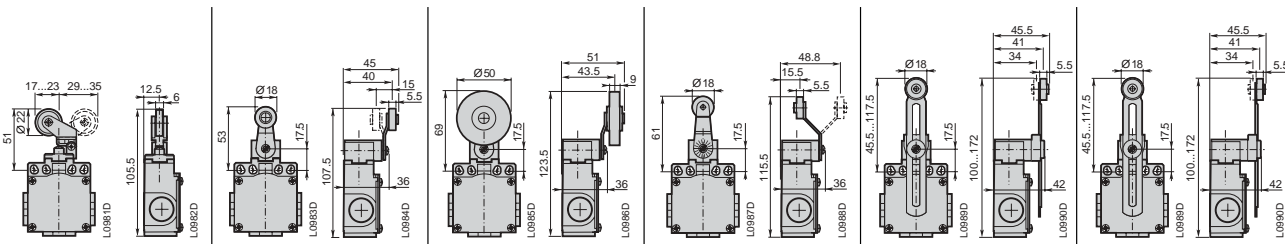
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets for 1/2" NPT Cable Gland

## Unidirectional... 30° Cam Translation Movement

					
<b>Adjustable plastic roller lever on plunger</b>	<b>ø18 roller lever</b>	<b>ø50 rubber roller lever</b>	<b>ø18 roller with bent lever</b>	<b>Adjustable ø18 plastic roller lever</b>	<b>Adjustable ø18 steel roller lever</b>
1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

Metal plunger <b>8</b> Plastic plunger <b>*</b>	Metal roller <b>3</b> Plastic roller <b>1</b>	-	Metal roller <b>6</b> Plastic roller <b>5</b>	-	-
<b>LS75M3</b> <b>8</b> <b>B11</b> 1SBV01513 <b>8</b> R1211	<b>LS75M4</b> <b>3</b> <b>B11</b> 1SBV01514 <b>3</b> R1211	<b>LS75M42B11</b> 1SBV015142R1211	<b>LS75M4</b> <b>6</b> <b>B11</b> 1SBV01514 <b>6</b> R1211	<b>LS75M51B11</b> 1SBV015151R1211	<b>LS75M53B11</b> 1SBV015153R1211
0 8.8 15.0 23.2 32.0 mm 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14	0 17° 31° 47° 74° 21-22 13-14 13-14
<b>LS75M3</b> <b>8</b> <b>D11</b> 1SBV01513 <b>8</b> R1411	<b>LS75M4</b> <b>3</b> <b>D11</b> 1SBV01514 <b>3</b> R1411	<b>LS75M42D11</b> 1SBV015142R1411	<b>LS75M4</b> <b>6</b> <b>D11</b> 1SBV01514 <b>6</b> R1411	<b>LS75M51D11</b> 1SBV015151R1411	<b>LS75M53D11</b> 1SBV015153R1411
0 10.6 18.5 32.0 mm 21-22 13-14 15.1	0 21° 37° 74° 21-22 13-14 30'	0 21° 37° 74° 21-22 13-14 30'	0 21° 37° 74° 21-22 13-14 30'	0 21° 37° 74° 21-22 13-14 30'	0 21° 37° 74° 21-22 13-14 30'
<b>LS75M3</b> <b>8</b> <b>C11</b> 1SBV01513 <b>8</b> R1511	<b>LS75M4</b> <b>3</b> <b>C11</b> 1SBV01514 <b>3</b> R1511	<b>LS75M42C11</b> 1SBV015142R1511	<b>LS75M4</b> <b>6</b> <b>C11</b> 1SBV01514 <b>6</b> R1511	<b>LS75M51C11</b> 1SBV015151R1511	<b>LS75M53C11</b> 1SBV015153R1511
0 16.8 25.1 32.0 mm 21-22 13-14 9.4	0 35° 51° 74° 21-22 13-14 18'	0 35° 51° 74° 21-22 13-14 18'	0 35° 51° 74° 21-22 13-14 18'	0 35° 51° 74° 21-22 13-14 18'	0 35° 51° 74° 21-22 13-14 18'
<b>LS75M3</b> <b>8</b> <b>L02</b> 1SBV01513 <b>8</b> R1302	<b>LS75M4</b> <b>3</b> <b>L02</b> 1SBV01514 <b>3</b> R1302	<b>LS75M42L02</b> 1SBV015142R1302	<b>LS75M4</b> <b>6</b> <b>L02</b> 1SBV01514 <b>6</b> R1302	<b>LS75M51L02</b> 1SBV015151R1302	<b>LS75M53L02</b> 1SBV015153R1302
0 9.6 17.8 32.0 mm 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22	0 19° 37° 74° 11-12 21-22
<b>LS75M3</b> <b>8</b> <b>L20</b> 1SBV01513 <b>8</b> R1320	<b>LS75M4</b> <b>3</b> <b>L20</b> 1SBV01514 <b>3</b> R1320	<b>LS75M42L20</b> 1SBV015142R1320	<b>LS75M4</b> <b>6</b> <b>L20</b> 1SBV01514 <b>6</b> R1320	<b>LS75M51L20</b> 1SBV015151R1320	<b>LS75M53L20</b> 1SBV015153R1320
0 9.2 32.0 mm 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24	0 18° 74° 13-14 23-24
<b>LS75M3</b> <b>8</b> <b>B02</b> 1SBV01513 <b>8</b> R1202	<b>LS75M4</b> <b>3</b> <b>B02</b> 1SBV01514 <b>3</b> R1202	<b>LS75M42B02</b> 1SBV015142R1202	<b>LS75M4</b> <b>6</b> <b>B02</b> 1SBV01514 <b>6</b> R1202	<b>LS75M51B02</b> 1SBV015151R1202	<b>LS75M53B02</b> 1SBV015153R1202
0 8.8 14.6 22.8 32.0 mm 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22	0 17° 30° 46° 74° 11-12 21-22 11-12 21-22
0.270	0.325	0.345	0.340	0.340	0.345

Special heads, accessories and special contact arrangement or particular function: please consult us. ■ Closed contact /  Open contact



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# LS75M... Limit Switches

Metal Casing IP66 - 60 mm Width  
3 Cable Inlets for 1/2" NPT Cable Gland

Movement to be detected:



Actuator

	Adjustable ø50 rubber roller lever	Flexible lever with insulated end	Coil spring lever	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	-	-	0.32 N.m

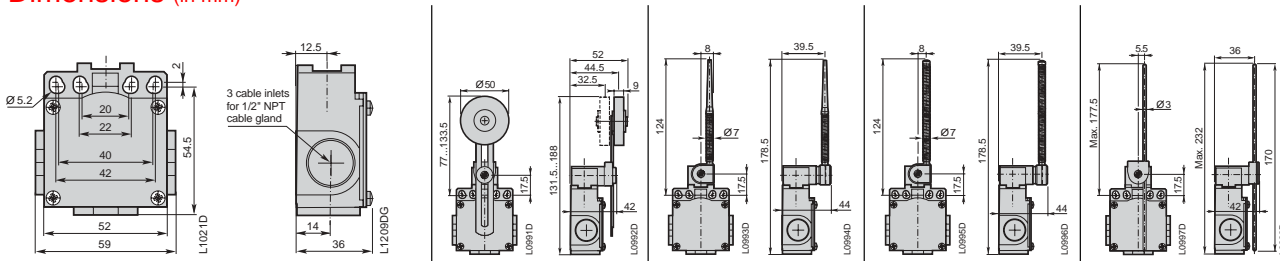
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	-	Metal rod <sup>1</sup> Fibre-glass rod <sup>2</sup>	
<b>Snap action contacts</b>	<b>Type</b> Order code	<b>LS75M52B11</b> 1SBV015152R1211	<b>LS75M61B11</b> 1SBV015161R1211	<b>LS75M62B11</b> 1SBV015162R1211	<b>LS75M7 <input type="checkbox"/> B11</b> 1SBV01517 <input type="checkbox"/> R1211
	<b>Operation diagram</b>				B11"/>
<b>Non-overlapping Slow action contacts</b>	<b>Type</b> Order code	<b>LS75M52D11</b> 1SBV015152R1411	<b>LS75M61D11</b> 1SBV015161R1411	<b>LS75M62D11</b> 1SBV015162R1411	<b>LS75M7 <input type="checkbox"/> D11</b> 1SBV01517 <input type="checkbox"/> R1411
	<b>Operation diagram</b>				D11"/>
<b>Overlapping Slow action contacts</b>	<b>Type</b> Order code	<b>LS75M52C11</b> 1SBV015152R1511	<b>LS75M61C11</b> 1SBV015161R1511	<b>LS75M62C11</b> 1SBV015162R1511	<b>LS75M7 <input type="checkbox"/> C11</b> 1SBV01517 <input type="checkbox"/> R1511
	<b>Operation diagram</b>				C11"/>
<b>Slow action contacts</b>	<b>Type</b> Order code	<b>LS75M52L02</b> 1SBV015152R1302	<b>LS75M61L02</b> 1SBV015161R1302	<b>LS75M62L02</b> 1SBV015162R1302	<b>LS75M7 <input type="checkbox"/> L02</b> 1SBV01517 <input type="checkbox"/> R1302
	<b>Operation diagram</b>				L02"/>
<b>Slow action contacts</b>	<b>Type</b> Order code	<b>LS75M52L20</b> 1SBV015152R1320	<b>LS75M61L20</b> 1SBV015161R1320	<b>LS75M62L20</b> 1SBV015162R1320	<b>LS75M7 <input type="checkbox"/> L20</b> 1SBV01517 <input type="checkbox"/> R1320
	<b>Operation diagram</b>				L20"/>
<b>Snap action contacts</b>	<b>Type</b> Order code	<b>LS75M52B02</b> 1SBV015152R1202	<b>LS75M61B02</b> 1SBV015161R1202	<b>LS75M62B02</b> 1SBV015162R1202	<b>LS75M7 <input type="checkbox"/> B02</b> 1SBV01517 <input type="checkbox"/> R1202
	<b>Operation diagram</b>				B02"/>
<b>Weight (packing per unit)</b>	<b>kg</b>	0.355	0.375	0.380	0.380

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)



>> Description, Travel and Technical Data ..... pages 4...11 >> Accessories ..... page 48 >> Utilization Precautions ..... page 51

# LS75M... Limit Switches

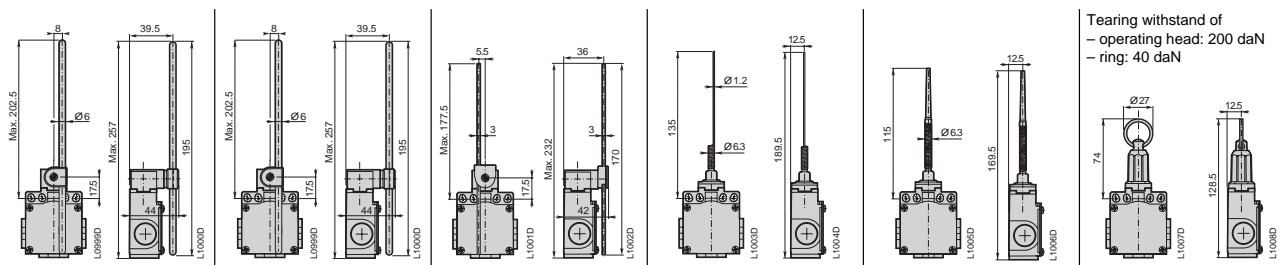
Metal Casing IP66 - 60 mm Width  
3 Cable Inlets for 1/2" NPT Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
<b>Adjustable <math>\varnothing 6</math> polyamide rod lever</b>	<b>Adjustable <math>\varnothing 6</math> fibre-glass rod lever</b>	<b>Adjustable <math>\varnothing 3</math> square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

<b>LS75M73B11</b> 1SBV015173R1211	<b>LS75M74B11</b> 1SBV015174R1211	<b>LS75M78B11</b> 1SBV015178R1211	<b>LS75M91B11</b> 1SBV015191R1211	<b>LS75M92B11</b> 1SBV015192R1211	<b>LS75M98B11-A</b> 1SBV015198R1211
<b>LS75M73D11</b> 1SBV015173R1411	<b>LS75M74D11</b> 1SBV015174R1411	<b>LS75M78D11</b> 1SBV015178R1411	<b>LS75M91D11</b> 1SBV015191R1411	<b>LS75M92D11</b> 1SBV015192R1411	<b>LS75M98D11-A</b> 1SBV015198R1411
<b>LS75M73C11</b> 1SBV015173R1511	<b>LS75M74C11</b> 1SBV015174R1511	<b>LS75M78C11</b> 1SBV015178R1511	<b>LS75M91C11</b> 1SBV015191R1511	<b>LS75M92C11</b> 1SBV015192R1511	
<b>LS75M73L02</b> 1SBV015173R1302	<b>LS75M74L02</b> 1SBV015174R1302	<b>LS75M78L02</b> 1SBV015178R1302	<b>LS75M91L02</b> 1SBV015191R1302	<b>LS75M92L02</b> 1SBV015192R1302	<b>LS75M98L02-A</b> 1SBV015198R1302
<b>LS75M73L20</b> 1SBV015173R1320	<b>LS75M74L20</b> 1SBV015174R1320	<b>LS75M78L20</b> 1SBV015178R1320	<b>LS75M91L20</b> 1SBV015191R1320	<b>LS75M92L20</b> 1SBV015192R1320	<b>LS75M98L20-A</b> 1SBV015198R1320
<b>LS75M73B02</b> 1SBV015173R1202	<b>LS75M74B02</b> 1SBV015174R1202	<b>LS75M78B02</b> 1SBV015178R1202	<b>LS75M91B02</b> 1SBV015191R1202	<b>LS75M92B02</b> 1SBV015192R1202	
0.390	0.390	0.375	0.315	0.320	0.350

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



Tearing withstand of  
- operating head: 200 daN  
- ring: 40 daN

>> Description, Travel and Technical Data ..... pages 4...11

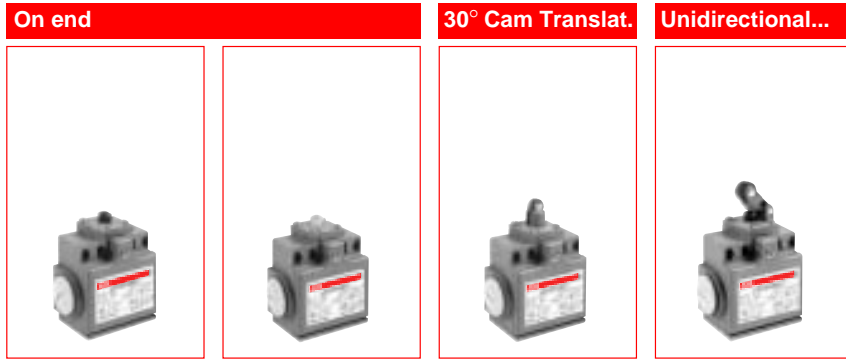
>> Accessories ..... page 48

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# LS72P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:



Actuator	Plastic plain plunger	Steel plain plunger	Roller plunger	Plastic roller lever on plastic plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

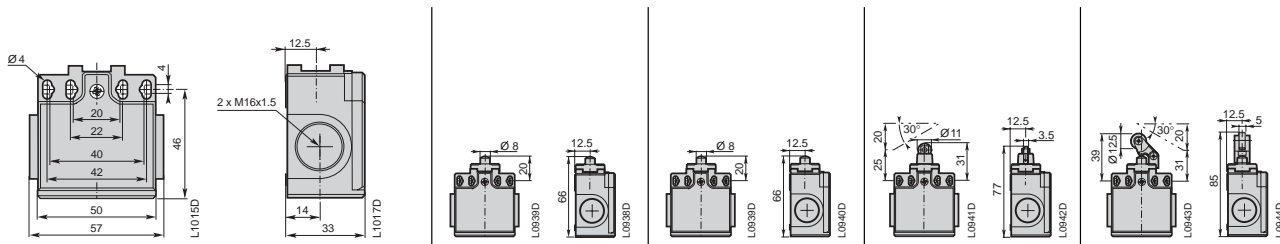
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	Metal roller <input type="checkbox"/> 2 Plastic roller <input type="checkbox"/> 3	-	
<b>Snap action contacts</b> 	<b>Type</b> Order code	<b>LS72P10B11</b> 1SBV011010R1211	<b>LS72P11B11</b> 1SBV011011R1211	<b>LS72P11B11</b> 1SBV011011R1211	<b>LS72P30B11</b> 1SBV011030R1211
	<b>Operation diagram</b>				
<b>Non-overlapping Slow action contacts</b> 	<b>Type</b> Order code	<b>LS72P10D11</b> 1SBV011010R1411	<b>LS72P11D11</b> 1SBV011011R1411	<b>LS72P11D11</b> 1SBV011011R1411	<b>LS72P30D11</b> 1SBV011030R1411
	<b>Operation diagram</b>				
<b>Overlapping Slow action contacts</b> 	<b>Type</b> Order code	<b>LS72P10C11</b> 1SBV011010R1511	<b>LS72P11C11</b> 1SBV011011R1511	<b>LS72P11C11</b> 1SBV011011R1511	<b>LS72P30C11</b> 1SBV011030R1511
	<b>Operation diagram</b>				
<b>Slow action contacts</b> 	<b>Type</b> Order code	<b>LS72P10L02</b> 1SBV011010R1302	<b>LS72P11L02</b> 1SBV011011R1302	<b>LS72P11L02</b> 1SBV011011R1302	<b>LS72P30L02</b> 1SBV011030R1302
	<b>Operation diagram</b>				
<b>Slow action contacts</b> 	<b>Type</b> Order code	<b>LS72P10L20</b> 1SBV011010R1320	<b>LS72P11L20</b> 1SBV011011R1320	<b>LS72P11L20</b> 1SBV011011R1320	<b>LS72P30L20</b> 1SBV011030R1320
	<b>Operation diagram</b>				
<b>Snap action contacts</b> 	<b>Type</b> Order code	<b>LS72P10B02</b> 1SBV011010R1202	<b>LS72P11B02</b> 1SBV011011R1202	<b>LS72P11B02</b> 1SBV011011R1202	<b>LS72P30B02</b> 1SBV011030R1202
	<b>Operation diagram</b>				
<b>Weight (packing per unit)</b>	<b>kg</b>	0.095	0.100	0.105	0.100

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)



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# LS72P... Limit Switches

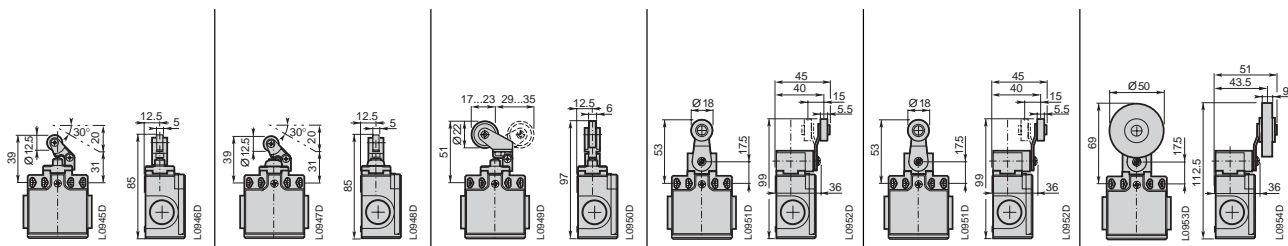
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Unidirectional 30° Cam Translation Movement			30° Cam Translation Movement		
Plastic roller lever on steel plunger	Plastic roller lever on steel plunger	Adjustable plastic roller lever on plunger	ø18 plastic roller lever	ø18 steel roller lever	ø50 rubber roller lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

-	-	Metal plunger Plastic plunger	-	-	-
<b>LS72P31B11</b> 1SBV011031R1211	<b>LS72P35B11</b> 1SBV 011035R1211	<b>LS72P3B11</b> 1SBV 01103R1211	<b>LS72P41B11</b> 1SBV011041R1211	<b>LS72P43B11</b> 1SBV011043R1211	<b>LS72P42B11</b> 1SBV011042R1211
0 4.9 9.0 14.5 21.0 mm 	0 4.9 9.0 14.5 21.0 mm 	0 8.8 15.0 23.2 32.0 mm 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 
<b>LS72P31D11</b> 1SBV011031R1411	<b>LS72P35D11</b> 1SBV011035R1411	<b>LS72P3D11</b> 1SBV01103R1411	<b>LS72P41D11</b> 1SBV011041R1411	<b>LS72P43D11</b> 1SBV011043R1411	<b>LS72P42D11</b> 1SBV011042R1411
0 6.0 10.5 21.0 mm 	0 6.0 10.5 21.0 mm 	0 10.6 18.5 32.0 mm 	0 21° 37° 74° 	0 21° 37° 74° 	0 21° 37° 74° 
<b>LS72P31C11</b> 1SBV011031R1511	<b>LS72P35C11</b> 1SBV011035R1511	<b>LS72P3C11</b> 1SBV01103R1511	<b>LS72P41C11</b> 1SBV011041R1511	<b>LS72P43C11</b> 1SBV011043R1511	<b>LS72P42C11</b> 1SBV011042R1511
0 10.2 14.6 21.0 mm 	0 10.2 14.6 21.0 mm 	0 16.8 25.1 32.0 mm 	0 35° 51° 74° 	0 35° 51° 74° 	0 35° 51° 74° 
<b>LS72P31L02</b> 1SBV011031R1302	<b>LS72P35L02</b> 1SBV011035R1302	<b>LS72P3L02</b> 1SBV01103R1302	<b>LS72P41L02</b> 1SBV011041R1302	<b>LS72P43L02</b> 1SBV011043R1302	<b>LS72P42L02</b> 1SBV011042R1302
0 5.7 10.2 21.0 mm 	0 5.7 10.2 21.0 mm 	0 9.6 17.8 32.0 mm 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 
<b>LS72P31L20</b> 1SBV011031R1320	<b>LS72P35L20</b> 1SBV011035R1320	<b>LS72P3L20</b> 1SBV01103R1320	<b>LS72P41L20</b> 1SBV011041R1320	<b>LS72P43L20</b> 1SBV011043R1320	<b>LS72P42L20</b> 1SBV011042R1320
0 5.3 21.0 mm 	0 5.3 21.0 mm 	0 9.2 32.0 mm 	0 18° 74° 	0 18° 74° 	0 18° 74° 
<b>LS72P31B02</b> 1SBV011031R1202	<b>LS72P35B02</b> 1SBV 011035R1202	<b>LS72P3B02</b> 1SBV01103R1202	<b>LS72P41B02</b> 1SBV011041R1202	<b>LS72P43B02</b> 1SBV011043R1202	<b>LS72P42B02</b> 1SBV011042R1202
0 5.1 8.6 13.1 21.0 mm 	0 5.1 8.6 13.1 21.0 mm 	0 8.8 14.6 22.8 32.0 mm 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 
0.105	0.105	0.110	0.130	0.135	0.145

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



>> Description, Travel and Technical Data ..... pages 4...11

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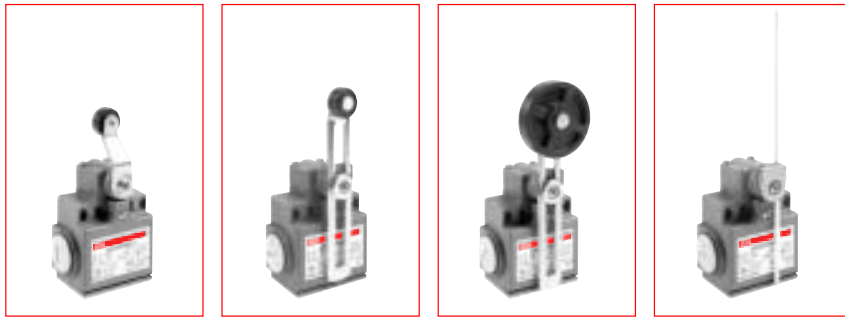
# LS72P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Movement to be detected:

30° Cam Translation Movement

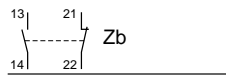
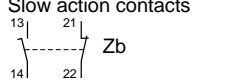
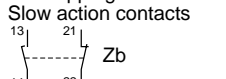
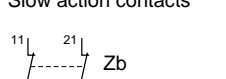
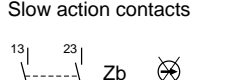
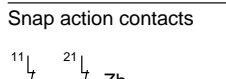
Fully Directional...






Actuator

	ø18 roller with bent lever	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

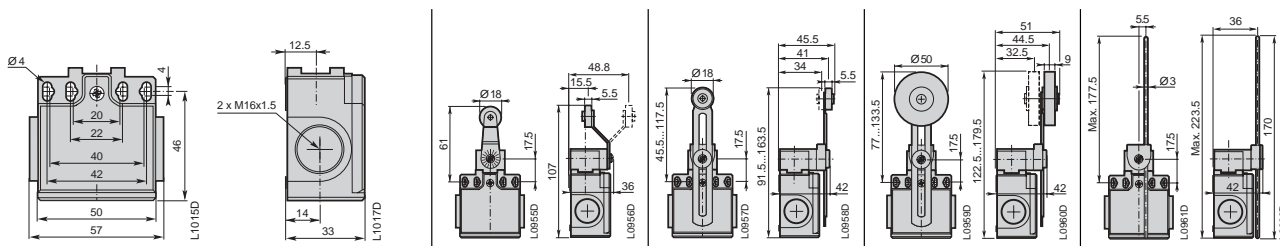
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>6</b> Plastic roller <b>5</b>	Metal roller <b>3</b> Plastic roller <b>1</b>	- -	Metal rod <b>1</b> Fibre-glass rod <b>2</b>
<b>Snap action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>B11</b> 1SBV01104 <input type="checkbox"/> R1211	<b>LS72P5</b> <input type="checkbox"/> <b>B11</b> 1SBV01105 <input type="checkbox"/> R1211	<b>LS72P52B11</b> 1SBV011052R1211	<b>LS72P7</b> <input type="checkbox"/> <b>B11</b> 1SBV01107 <input type="checkbox"/> R1211
<b>Non-overlapping Slow action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>D11</b> 1SBV01104 <input type="checkbox"/> R1411	<b>LS72P5</b> <input type="checkbox"/> <b>D11</b> 1SBV01105 <input type="checkbox"/> R1411	<b>LS72P52D11</b> 1SBV011052R1411	<b>LS72P7</b> <input type="checkbox"/> <b>D11</b> 1SBV01107 <input type="checkbox"/> R1411
<b>Overlapping Slow action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>C11</b> 1SBV01104 <input type="checkbox"/> R1511	<b>LS72P5</b> <input type="checkbox"/> <b>C11</b> 1SBV01105 <input type="checkbox"/> R1511	<b>LS72P52C11</b> 1SBV011052R1511	<b>LS72P7</b> <input type="checkbox"/> <b>C11</b> 1SBV01107 <input type="checkbox"/> R1511
<b>Slow action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>L02</b> 1SBV01104 <input type="checkbox"/> R1302	<b>LS72P5</b> <input type="checkbox"/> <b>L02</b> 1SBV01105 <input type="checkbox"/> R1302	<b>LS72P52L02</b> 1SBV011052R1302	<b>LS72P7</b> <input type="checkbox"/> <b>L02</b> 1SBV01107 <input type="checkbox"/> R1302
<b>Slow action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>L20</b> 1SBV01104 <input type="checkbox"/> R1320	<b>LS72P5</b> <input type="checkbox"/> <b>L20</b> 1SBV01105 <input type="checkbox"/> R1320	<b>LS72P52L20</b> 1SBV011052R1320	<b>LS72P7</b> <input type="checkbox"/> <b>L20</b> 1SBV01107 <input type="checkbox"/> R1320
<b>Snap action contacts</b> 	<b>LS72P4</b> <input type="checkbox"/> <b>B02</b> 1SBV01104 <input type="checkbox"/> R1202	<b>LS72P5</b> <input type="checkbox"/> <b>B02</b> 1SBV01105 <input type="checkbox"/> R1202	<b>LS72P52B02</b> 1SBV011052R1202	<b>LS72P7</b> <input type="checkbox"/> <b>B02</b> 1SBV01107 <input type="checkbox"/> R1202
<b>Weight (packing per unit)</b>	<b>kg</b> 0.130	0.140	0.155	0.130

 Special heads, accessories and special contact arrangement or particular function: please consult us.

 Closed contact /  Open contact

## Dimensions (in mm)



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# LS72P... Limit Switches

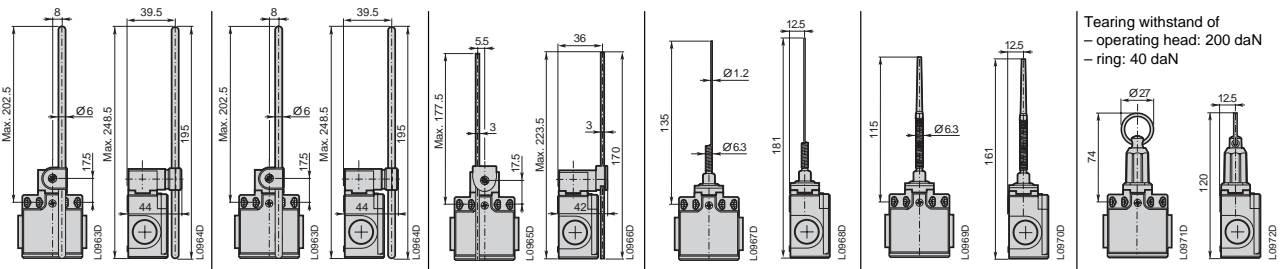
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M16 x 1.5 for ISO 16 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
<b>Adjustable ø6 polyamide rod lever</b>	<b>Adjustable ø6 fibre-glass rod lever</b>	<b>Adjustable ø3 square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

<b>LS72P73B11</b> 1SBV011073R1211	<b>LS72P74B11</b> 1SBV011074R1211	<b>LS72P78B11</b> 1SBV011078R1211	<b>LS72P91B11</b> 1SBV011091R1211	<b>LS72P92B11</b> 1SBV011092R1211	<b>LS72P98B11-A</b> 1SBV011098R1211
<b>LS72P73D11</b> 1SBV011073R1411	<b>LS72P74D11</b> 1SBV011074R1411	<b>LS72P78D11</b> 1SBV011078R1411	<b>LS72P91D11</b> 1SBV011091R1411	<b>LS72P92D11</b> 1SBV011092R1411	<b>LS72P98D11-A</b> 1SBV011098R1411
<b>LS72P73C11</b> 1SBV011073R1511	<b>LS72P74C11</b> 1SBV011074R1511	<b>LS72P78C11</b> 1SBV011078R1511	<b>LS72P91C11</b> 1SBV011091R1511	<b>LS72P92C11</b> 1SBV011092R1511	
<b>LS72P73L02</b> 1SBV011073R1302	<b>LS72P74L02</b> 1SBV011074R1302	<b>LS72P78L02</b> 1SBV011078R1302	<b>LS72P91L02</b> 1SBV011091R1302	<b>LS72P92L02</b> 1SBV011092R1302	<b>LS72P98L02-A</b> 1SBV011098R1302
<b>LS72P73L20</b> 1SBV011073R1320	<b>LS72P74L20</b> 1SBV011074R1320	<b>LS72P78L20</b> 1SBV011078R1320	<b>LS72P91L20</b> 1SBV011091R1320	<b>LS72P92L20</b> 1SBV011092R1320	<b>LS72P98L20-A</b> 1SBV011098R1320
<b>LS72P73B02</b> 1SBV011073R1202	<b>LS72P74B02</b> 1SBV011074R1202	<b>LS72P78B02</b> 1SBV011078R1202	<b>LS72P91B02</b> 1SBV011091R1202	<b>LS72P92B02</b> 1SBV011092R1202	
0.145	0.145	0.125	0.110	0.115	0.145

☒ Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



>> Description, Travel and Technical Data ..... pages 4...11

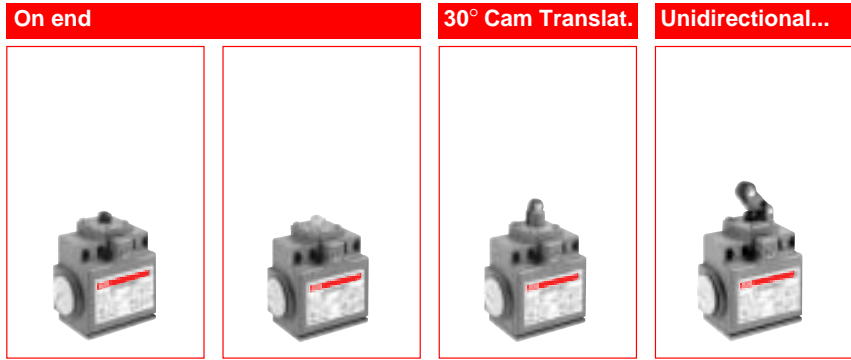
>> Accessories ..... page 48

>> Utilization Precautions ..... page 51

# LS73P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:



Actuator	Plastic plain plunger	Steel plain plunger	Roller plunger	Plastic roller lever on plastic plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

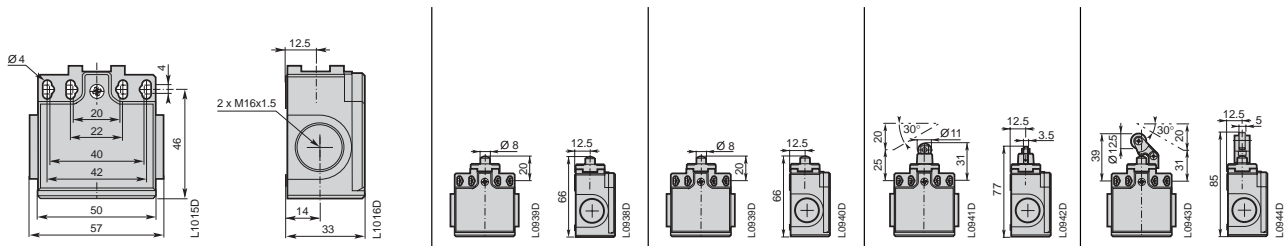
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	Metal roller <input type="checkbox"/> 2 Plastic roller <input type="checkbox"/> 3	-	
Snap action contacts	Type Order code Operation diagram	<b>LS73P10B11</b> 1SBV012810R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS73P11B11</b> 1SBV012811R1211 0 1.7 2.7 4.3 5.6 mm	<b>LS73P1□B11</b> 1SBV01281□R1211 0 3.0 4.8 7.7 9.6 mm	<b>LS73P30B11</b> 1SBV012830R1211 0 4.9 9.0 14.5 21.0 mm
Non-overlapping Slow action contacts	Type Order code Operation diagram	<b>LS73P10D11</b> 1SBV012810R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS73P11D11</b> 1SBV012811R1411 0 1.9 3.5 5.6 mm 2.8	<b>LS73P1□D11</b> 1SBV01281□R1411 0 3.4 6.3 9.6 mm 5.1	<b>LS73P30D11</b> 1SBV012830R1411 0 6.0 10.5 21.0 mm 8.6
Overlapping Slow action contacts	Type Order code Operation diagram	<b>LS73P10C11</b> 1SBV012810R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS73P11C11</b> 1SBV012811R1511 0 3.2 4.8 5.6 mm 1.8	<b>LS73P1□C11</b> 1SBV 01281□R1511 0 5.7 8.6 9.6 mm 3.2	<b>LS73P30C11</b> 1SBV012830R1511 0 10.2 14.6 21.0 mm 5.4
Slow action contacts	Type Order code Operation diagram	<b>LS73P10L02</b> 1SBV012810R1302 0 1.9 3.5 5.6 mm	<b>LS73P11L02</b> 1SBV012811R1302 0 1.9 3.5 5.6 mm	<b>LS73P1□L02</b> 1SBV01281□R1302 0 3.4 6.3 9.6 mm	<b>LS73P30L02</b> 1SBV012830R1302 0 5.7 10.2 21.0 mm
Slow action contacts	Type Order code Operation diagram	<b>LS73P10L20</b> 1SBV012810R1320 0 1.8 5.6 mm	<b>LS73P11L20</b> 1SBV012811R1320 0 1.8 5.6 mm	<b>LS73P1□L20</b> 1SBV01281□R1320 0 3.2 9.6 mm	<b>LS73P30L20</b> 1SBV012830R1320 0 5.3 21.0 mm
Snap action contacts	Type Order code Operation diagram	<b>LS73P10B02</b> 1SBV012810R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS73P11B02</b> 1SBV012811R1202 0 1.8 2.8 4.4 5.6 mm	<b>LS73P1□B02</b> 1SBV01281□R1202 0 3.2 5.0 7.9 9.6 mm	<b>LS73P30B02</b> 1SBV012830R1202 0 5.1 8.6 13.1 21.0 mm
Weight (packing per unit)	kg	0.095	0.100	0.105	0.100

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

## Dimensions (in mm)













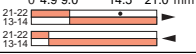
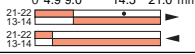
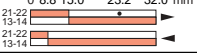





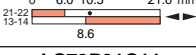
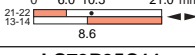
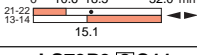
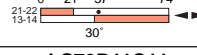
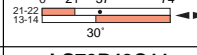
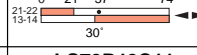


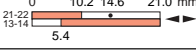
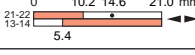
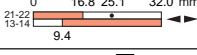
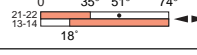
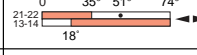
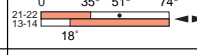


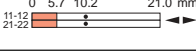
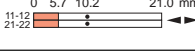
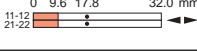
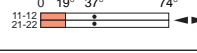
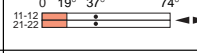
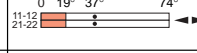













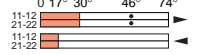
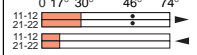
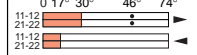
>> Description, Travel and Technical Data ..... pages 4..11 >> Accessories ..... page 48 >> Utilization Precautions ..... page 51




# LS73P... Limit Switches

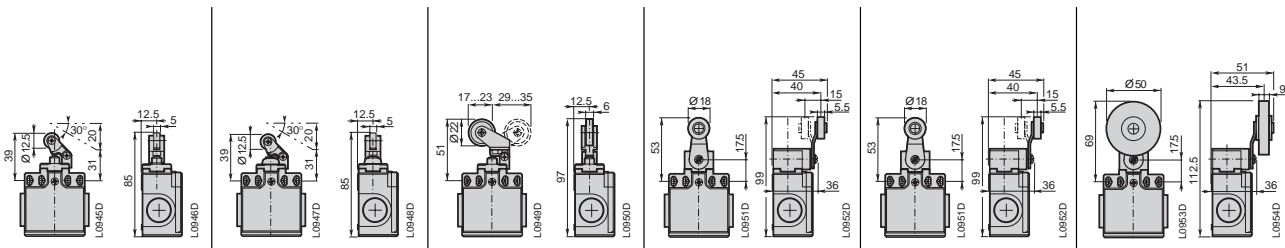
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

## Unidirectional 30° Cam Translation Movement      30° Cam Translation Movement

					
Plastic roller lever on steel plunger	Plastic roller lever on steel plunger With dust protection cup	Adjustable plastic roller lever on plunger	ø18 plastic roller lever	ø18 steel roller lever	ø50 rubber roller lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

-	-	Metal plunger  Plastic plunger 	-	-	-
<b>LS73P31B11</b> 1SBV012831R1211	<b>LS73P35B11</b> 1SBV012835R1211	<b>LS73P3 B11</b> 1SBV01283  R1211	<b>LS73P41B11</b> 1SBV012841R1211	<b>LS73P43B11</b> 1SBV012843R1211	<b>LS73P42B11</b> 1SBV012842R1211
0 4.9 9.0 14.5 21.0 mm 	0 4.9 9.0 14.5 21.0 mm 	0 8.8 15.0 23.2 32.0 mm 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 
<b>LS73P31D11</b> 1SBV012831R1411	<b>LS73P35D11</b> 1SBV012835R1411	<b>LS73P3 D11</b> 1SBV01283  R1411	<b>LS73P41D11</b> 1SBV012841R1411	<b>LS73P43D11</b> 1SBV012843R1411	<b>LS73P42D11</b> 1SBV012842R1411
0 6.0 10.5 21.0 mm 8.6 	0 6.0 10.5 21.0 mm 8.6 	0 10.6 18.5 32.0 mm 15.1 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 	0 21° 37° 74° 30° 
<b>LS73P31C11</b> 1SBV012831R1511	<b>LS73P35C11</b> 1SBV012835R1511	<b>LS73P3 C11</b> 1SBV01283  R1511	<b>LS73P41C11</b> 1SBV012841R1511	<b>LS73P43C11</b> 1SBV012843R1511	<b>LS73P42C11</b> 1SBV012842R1511
0 10.2 14.6 21.0 mm 5.4 	0 10.2 14.6 21.0 mm 5.4 	0 16.8 25.1 32.0 mm 9.4 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 	0 35° 51° 74° 18° 
<b>LS73P31L02</b> 1SBV012831R1302	<b>LS73P35L02</b> 1SBV012835R1302	<b>LS73P3 L02</b> 1SBV01283  R1302	<b>LS73P41L02</b> 1SBV012841R1302	<b>LS73P43L02</b> 1SBV012843R1302	<b>LS73P42L02</b> 1SBV012842R1302
0 5.7 10.2 21.0 mm 	0 5.7 10.2 21.0 mm 	0 9.6 17.8 32.0 mm 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 
<b>LS73P31L20</b> 1SBV012831R1320	<b>LS73P35L20</b> 1SBV012835R1320	<b>LS73P3 L20</b> 1SBV01283  R1320	<b>LS73P41L20</b> 1SBV012841R1320	<b>LS73P43L20</b> 1SBV012843R1320	<b>LS73P42L20</b> 1SBV012842R1320
0 5.3 21.0 mm 13-14 23-24 	0 5.3 21.0 mm 13-14 23-24 	0 9.2 32.0 mm 13-14 23-24 	0 18° 74° 13-14 23-24 	0 18° 74° 13-14 23-24 	0 18° 74° 13-14 23-24 
<b>LS73P31B02</b> 1SBV012831R1202	<b>LS73P35B02</b> 1SBV012835R1202	<b>LS73P3 B02</b> 1SBV01283  R1202	<b>LS73P41B02</b> 1SBV012841R1202	<b>LS73P43B02</b> 1SBV012843R1202	<b>LS73P42B02</b> 1SBV012842R1202
0 5.1 8.6 13.1 21.0 mm 11-12 21-22 21-22 	0 5.1 8.6 13.1 21.0 mm 11-12 21-22 21-22 	0 8.8 14.6 22.8 32.0 mm 11-12 21-22 21-22 	0 17° 30° 46° 74° 11-12 21-22 21-22 	0 17° 30° 46° 74° 11-12 21-22 21-22 	0 17° 30° 46° 74° 11-12 21-22 21-22 
0.105	0.105	0.110	0.130	0.135	0.145

 Special heads, accessories and special contact arrangement or particular function: please consult us.  Closed contact /  Open contact



>> Description, Travel and Technical Data ..... pages 4...11      >> Accessories ..... page 48      >> Utilization Precautions ..... page 51

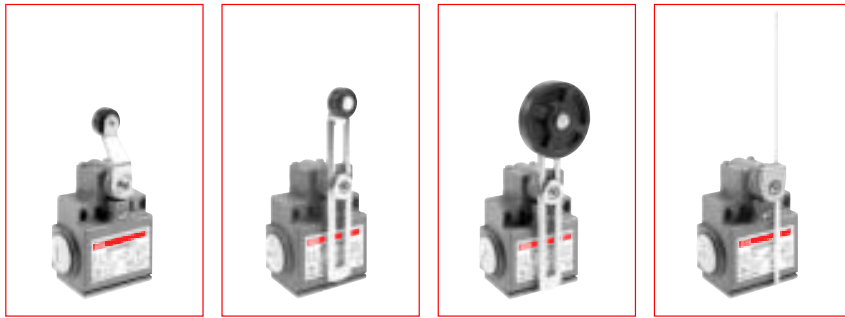
# LS73P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Movement to be detected:

30° Cam Translation Movement

Fully Directional...



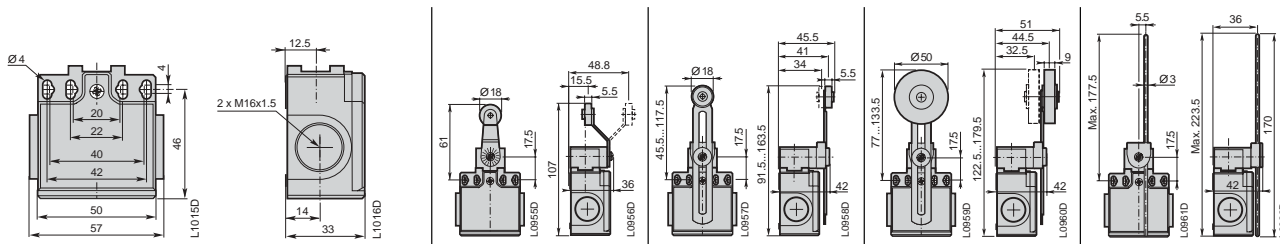
Actuator

	ø18 roller with bent lever	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable ø3 rod lever
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>6</b> Plastic roller <b>5</b>	Metal roller <b>3</b> Plastic roller <b>1</b>	- -	Metal rod <b>1</b> Fibre-glass rod <b>2</b>
<b>Snap action contacts</b> Type Order code Operation diagram	<b>LS73P4 B11</b> 1SBV01284 R1211 0 17° 31° 47° 74°	<b>LS73P5 B11</b> 1SBV01285 R1211 0 17° 31° 47° 74°	<b>LS73P52B11</b> 1SBV012852R1211 0 17° 31° 47° 74°	<b>LS73P7 B11</b> 1SBV01287 R1211 0 17° 31° 47° 74°
<b>Non-overlapping Slow action contacts</b> Type Order code Operation diagram	<b>LS73P4 D11</b> 1SBV01284 R1411 0 21° 37° 74°	<b>LS73P5 D11</b> 1SBV01285 R1411 0 21° 37° 74°	<b>LS73P52D11</b> 1SBV012852R1411 0 21° 37° 74°	<b>LS73P7 D11</b> 1SBV01287 R1411 0 21° 37° 74°
<b>Overlapping Slow action contacts</b> Type Order code Operation diagram	<b>LS73P4 C11</b> 1SBV01284 R1511 0 35° 51° 74°	<b>LS73P5 C11</b> 1SBV01285 R1511 0 35° 51° 74°	<b>LS73P52C11</b> 1SBV012852R1511 0 35° 51° 74°	<b>LS73P7 C11</b> 1SBV01287 R1511 0 35° 51° 74°
<b>Slow action contacts</b> Type Order code Operation diagram	<b>LS73P4 L02</b> 1SBV01284 R1302 0 19° 37° 74°	<b>LS73P5 L02</b> 1SBV01285 R1302 0 19° 37° 74°	<b>LS73P52L02</b> 1SBV012852R1302 0 19° 37° 74°	<b>LS73P7 L02</b> 1SBV01287 R1302 0 19° 37° 74°
<b>Slow action contacts</b> Type Order code Operation diagram	<b>LS73P4 L20</b> 1SBV01284 R1320 0 18° 74°	<b>LS73P5 L20</b> 1SBV01285 R1320 0 18° 74°	<b>LS73P52L20</b> 1SBV012852R1320 0 18° 74°	<b>LS73P7 L20</b> 1SBV01287 R1320 0 18° 74°
<b>Snap action contacts</b> Type Order code Operation diagram	<b>LS73P4 B02</b> 1SBV01284 R1202 0 17° 30° 46° 74°	<b>LS73P5 B02</b> 1SBV01285 R1202 0 17° 30° 46° 74°	<b>LS73P52B02</b> 1SBV012852R1202 0 17° 30° 46° 74°	<b>LS73P7 B02</b> 1SBV01287 R1202 0 17° 30° 46° 74°
<b>Weight (packing per unit)</b>	<b>kg</b>	0.130	0.140	0.155
<input checked="" type="checkbox"/> Special heads, accessories and special contact arrangement or particular function: please consult us. <span style="float: right;"> <input checked="" type="checkbox"/> Closed contact / <input type="checkbox"/> Open contact         </span>				

## Dimensions (in mm)



>> Description, Travel and Technical Data ..... pages 4...11      >> Accessories ..... page 48      >> Utilization Precautions ..... page 51

# LS73P... Limit Switches

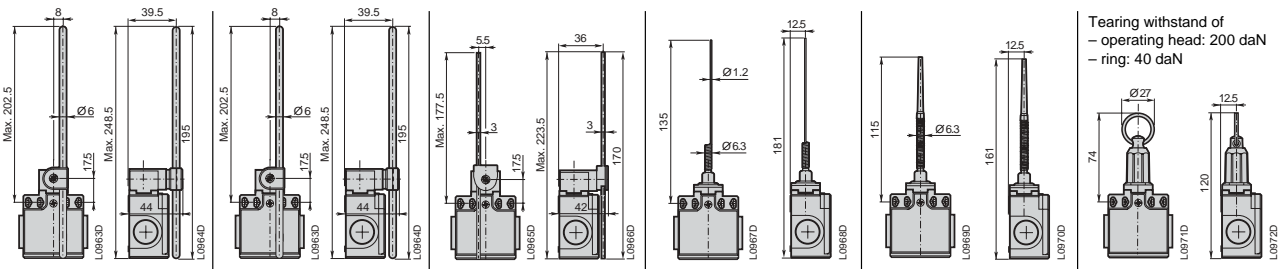
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets M20 x 1.5 for ISO 20 Cable Gland

Fully Directional Translation Movement			Multidirectional		Pull Action
Adjustable ø6 polyamide rod lever	Adjustable ø6 fibre-glass rod lever	Adjustable ø3 square steel rod lever	Spring rod	Flexible rod with insulated end	Pull action with ring
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

LS73P73B11 1SBV012873R1211	LS73P74B11 1SBV012874R1211	LS73P78B11 1SBV012878R1211	LS73P91B11 1SBV012891R1211	LS73P92B11 1SBV012892R1211	LS73P98B11-A 1SBV012898R1211
LS73P73D11 1SBV012873R1411	LS73P74D11 1SBV012874R1411	LS73P78D11 1SBV012878R1411	LS73P91D11 1SBV012891R1411	LS73P92D11 1SBV012892R1411	LS73P98D11-A 1SBV012898R1411
LS73P73C11 1SBV012873R1511	LS73P74C11 1SBV012874R1511	LS73P78C11 1SBV012878R1511	LS73P91C11 1SBV012891R1511	LS73P92C11 1SBV012892R1511	
LS73P73L02 1SBV012873R1302	LS73P74L02 1SBV012874R1302	LS73P78L02 1SBV012878R1302	LS73P91L02 1SBV012891R1302	LS73P92L02 1SBV012892R1302	LS73P98L02-A 1SBV012898R1302
LS73P73L20 1SBV012873R1320	LS73P74L20 1SBV012874R1320	LS73P78L20 1SBV012878R1320	LS73P91L20 1SBV012891R1320	LS73P92L20 1SBV012892R1320	LS73P98L20-A 1SBV012898R1320
LS73P73B02 1SBV012873R1202	LS73P74B02 1SBV012874R1202	LS73P78B02 1SBV012878R1202	LS73P91B02 1SBV012891R1202	LS73P92B02 1SBV012892R1202	
0.145	0.145	0.125	0.110	0.115	0.145

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



Tearing withstand of  
- operating head: 200 daN  
- ring: 40 daN

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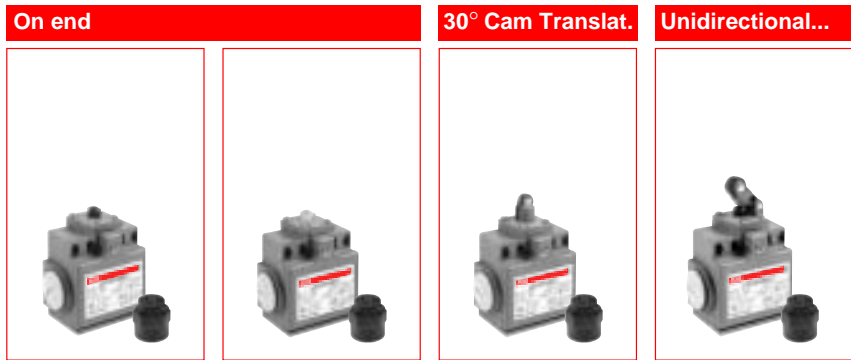
# LS75P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets for 1/2" NPT plastic adaptor

## Movement to be detected:

- 1 cable inlet by 1/2" NPT plastic adaptor (delivered not mounted), and
- 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request)

1/2" NPT plastic adaptors		
LSR1305	1SBV 04 7500 R1305	1 packet of 1 piece
LSR1305	1SBV 04 7500 T1305	1 packet of 10 pieces
LSR1305	1SBV 04 7500 W1305	1 packet of 50 pieces



## Actuator

	Plastic plain plunger	Steel plain plunger	Roller plunger	Plastic roller lever on plastic plunger
Conformity / $\ominus$ (N.C. contact with positive opening operation)	-	-	-	-
Maximum actuation speed	0.5 m/s	0.5 m/s	0.3 m/s	1 m/s
Min. force / torque: - actuation	15 N	15 N	12 N	7 N
- positive opening operation	45 N	45 N	41 N	24 N

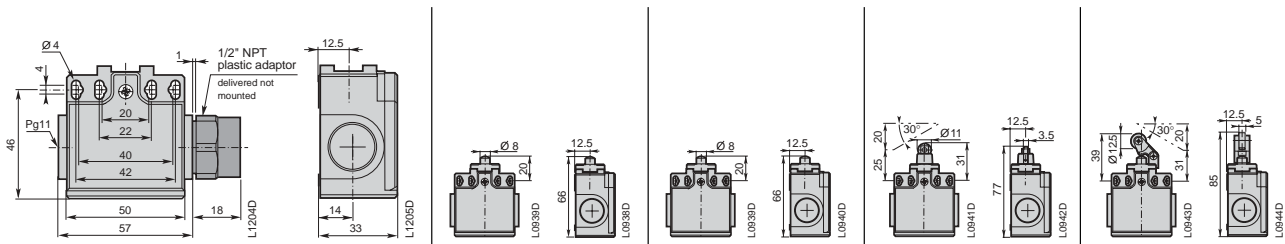
## Additional Technical Data

Type and Order code to be completed with code <input type="checkbox"/>	-	-	Metal roller <u>2</u> Plastic roller <u>3</u>	-	
<b>Snap action contacts</b>	<b>Type</b> Order code	<b>LS75P10B11</b> 1SBV012710R1211	<b>LS75P11B11</b> 1SBV012711R1211	<b>LS75P1□B11</b> 1SBV01271□R1211	<b>LS75P30B11</b> 1SBV012730R1211
	<b>Operation diagram</b>				
<b>Non-overlapping Slow action contacts</b>	<b>Type</b> Order code	<b>LS75P10D11</b> 1SBV012710R1411	<b>LS75P11D11</b> 1SBV012711R1411	<b>LS75P1□D11</b> 1SBV01271□R1411	<b>LS75P30D11</b> 1SBV012730R1411
	<b>Operation diagram</b>				
<b>Overlapping Slow action contacts</b>	<b>Type</b> Order code	<b>LS75P10C11</b> 1SBV012710R1511	<b>LS75P11C11</b> 1SBV012711R1511	<b>LS75P1□C11</b> 1SBV01271□R1511	<b>LS75P30C11</b> 1SBV012730R1511
	<b>Operation diagram</b>				
<b>Slow action contacts</b>	<b>Type</b> Order code	<b>LS75P10L02</b> 1SBV012710R1302	<b>LS75P11L02</b> 1SBV012711R1302	<b>LS75P1□L02</b> 1SBV01271□R1302	<b>LS75P30L02</b> 1SBV012730R1302
	<b>Operation diagram</b>				
<b>Slow action contacts</b>	<b>Type</b> Order code	<b>LS75P10L20</b> 1SBV012710R1320	<b>LS75P11L20</b> 1SBV012711R1320	<b>LS75P1□L20</b> 1SBV01271□R1320	<b>LS75P30L20</b> 1SBV012730R1320
	<b>Operation diagram</b>				
<b>Snap action contacts</b>	<b>Type</b> Order code	<b>LS75P10B02</b> 1SBV012710R1202	<b>LS75P11B02</b> 1SBV012711R1202	<b>LS75P1□B02</b> 1SBV01271□R1202	<b>LS75P30B02</b> 1SBV012730R1202
	<b>Operation diagram</b>				
<b>Weight (packing per unit)</b>	<b>kg</b>	0.102	0.107	0.112	0.107

☒ Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact

## Dimensions (in mm)



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# LS75P... Limit Switches

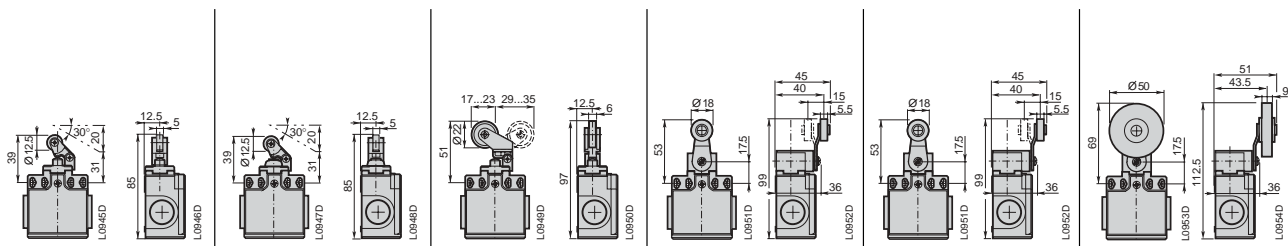
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets for 1/2" NPT plastic adaptor

Unidirectional 30° Cam Translation Movement			30° Cam Translation Movement		
	 With dust protection cup				
Plastic roller lever on steel plunger	Plastic roller lever on steel plunger	Adjustable plastic roller on plunger	ø18 plastic roller lever	ø18 steel roller lever	ø50 rubber roller lever
1 m/s 7 N 24 N	1 m/s 7 N 24 N	1 m/s 7 N 24 N	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m

		Metal plunger				
		Plastic plunger				
<b>LS75P31B11</b> 1SBV012731R1211	<b>LS75P35B11</b> 1SBV012735R1211	<b>LS75P3B11</b> 1SBV01273R1211	<b>LS75P41B11</b> 1SBV012741R1211	<b>LS75P43B11</b> 1SBV012743R1211	<b>LS75P42B11</b> 1SBV012742R1211	
0 4.9 9.0 14.5 21.0 mm 	0 4.9 9.0 14.5 21.0 mm 	0 8.8 15.0 23.2 32.0 mm 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	0 17° 31° 47° 74° 	
<b>LS75P31D11</b> 1SBV012731R1411	<b>LS75P35D11</b> 1SBV012735R1411	<b>LS75P3D11</b> 1SBV01273R1411	<b>LS75P41D11</b> 1SBV012741R1411	<b>LS75P43D11</b> 1SBV012743R1411	<b>LS75P42D11</b> 1SBV012742R1411	
0 6.0 10.5 21.0 mm 	0 6.0 10.5 21.0 mm 	0 10.6 18.5 32.0 mm 	0 21° 37° 74° 	0 21° 37° 74° 	0 21° 37° 74° 	
<b>LS75P31C11</b> 1SBV012731R1511	<b>LS75P35C11</b> 1SBV012735R1511	<b>LS75P3C11</b> 1SBV01273R1511	<b>LS75P41C11</b> 1SBV012741R1511	<b>LS75P43C11</b> 1SBV012743R1511	<b>LS75P42C11</b> 1SBV012742R1511	
0 10.2 14.6 21.0 mm 	0 10.2 14.6 21.0 mm 	0 16.8 25.1 32.0 mm 	0 35° 51° 74° 	0 35° 51° 74° 	0 35° 51° 74° 	
<b>LS75P31L02</b> 1SBV012731R1302	<b>LS75P35L02</b> 1SBV012735R1302	<b>LS75P3L02</b> 1SBV01273R1302	<b>LS75P41L02</b> 1SBV012741R1302	<b>LS75P43L02</b> 1SBV012743R1302	<b>LS75P42L02</b> 1SBV012742R1302	
0 5.7 10.2 21.0 mm 	0 5.7 10.2 21.0 mm 	0 9.6 17.8 32.0 mm 	0 19° 37° 74° 	0 19° 37° 74° 	0 19° 37° 74° 	
<b>LS75P31L20</b> 1SBV012731R1320	<b>LS75P35L20</b> 1SBV012735R1320	<b>LS75P3L20</b> 1SBV01273R1320	<b>LS75P41L20</b> 1SBV012741R1320	<b>LS75P43L20</b> 1SBV012743R1320	<b>LS75P42L20</b> 1SBV012742R1320	
0 5.3 21.0 mm 	0 5.3 21.0 mm 	0 9.2 32.0 mm 	0 18° 74° 	0 18° 74° 	0 18° 74° 	
<b>LS75P31B02</b> 1SBV012731R1202	<b>LS75P35B02</b> 1SBV012735R1202	<b>LS75P3B02</b> 1SBV01273R1202	<b>LS75P41B02</b> 1SBV012741R1202	<b>LS75P43B02</b> 1SBV012743R1202	<b>LS75P42B02</b> 1SBV012742R1202	
0 5.1 8.6 13.1 21.0 mm 	0 5.1 8.6 13.1 21.0 mm 	0 8.8 14.6 22.8 32.0 mm 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	0 17° 30° 46° 74° 	
0.112	0.112	0.117	0.137	0.142	0.152	

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact



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# LS75P... Limit Switches

Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets for 1/2" NPT plastic adaptor

Movement to be detected:

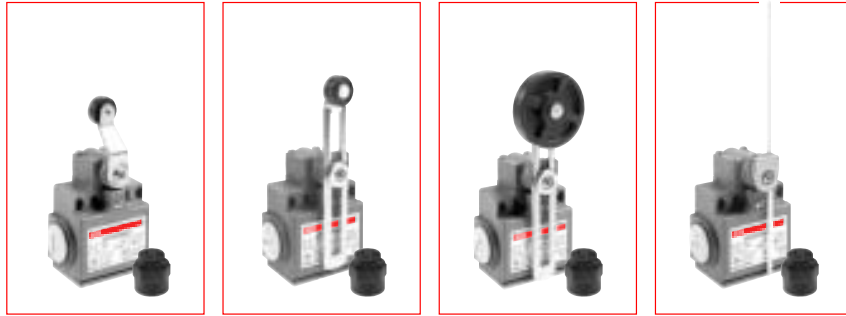
30° Cam Translation Movement

Fully Directional...

- 1 cable inlet by 1/2" NPT plastic adaptor (delivered not mounted), and
- 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request)

**1/2" NPT plastic adaptors**

LSR1305	1SBV 04 7500 R1305	1 packet of 1 piece
LSR1305	1SBV 04 7500 T1305	1 packet of 10 pieces
LSR1305	1SBV 04 7500 W1305	1 packet of 50 pieces



**Actuator**

	ø18 roller with bent lever	Adjustable ø18 roller lever	Adjustable ø50 rubber roller lever	Adjustable ø3 rod lever
Conformity / $\oplus$ (N.C. contact with positive opening operation)	-	$\oplus$	$\oplus$	$\oplus$
Maximum actuation speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Min. force / torque: - actuation	0.1 N.m	0.1 N.m	0.1 N.m	0.1 N.m
- positive opening operation	0.32 N.m	0.32 N.m	0.32 N.m	0.32 N.m

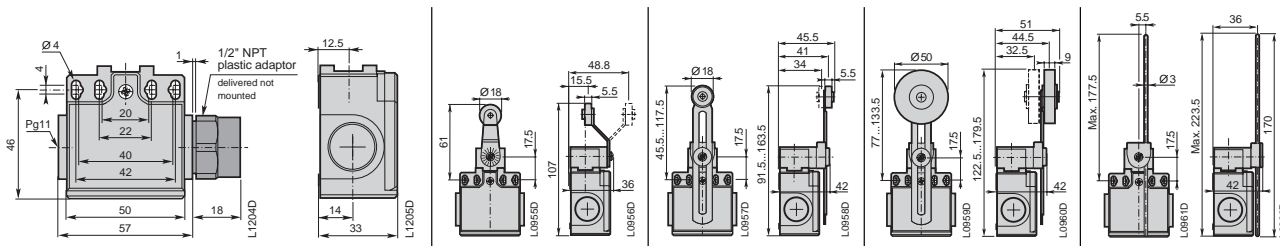
**Additional Technical Data**

Type and Order code to be completed with code <input type="checkbox"/>	Metal roller <b>6</b> Plastic roller <b>5</b>	Metal roller <b>3</b> Plastic roller <b>1</b>	- -	Metal rod <b>1</b> Fibreglass rod <b>2</b>
<b>Snap action contacts</b> Type Order code Operation diagram	<b>LS75P4 B11</b> 1SBV01274 R1211 0 17° 31° 47° 74° 21-22 13-14	<b>LS75P5 B11</b> 1SBV01275 R1211 0 17° 31° 47° 74° 21-22 13-14	<b>LS75P52B11</b> 1SBV012752R1211 0 17° 31° 47° 74° 21-22 13-14	<b>LS75P7 B11</b> 1SBV01277 R1211 0 17° 31° 47° 74° 21-22 13-14
<b>Non-overlapping Slow action contacts</b> Type Order code Operation diagram	<b>LS75P4 D11</b> 1SBV01274 R1411 0 21° 37° 74° 21-22 13-14 30°	<b>LS75P5 D11</b> 1SBV01275 R1411 0 21° 37° 74° 21-22 13-14 30°	<b>LS75P52D11</b> 1SBV012752R1411 0 21° 37° 74° 21-22 13-14 30°	<b>LS75P7 D11</b> 1SBV01277 R1411 0 21° 37° 74° 21-22 13-14 30°
<b>Overlapping Slow action contacts</b> Type Order code Operation diagram	<b>LS75P4 C11</b> 1SBV01274 R1511 0 35° 51° 74° 21-22 13-14 18°	<b>LS75P5 C11</b> 1SBV01275 R1511 0 35° 51° 74° 21-22 13-14 18°	<b>LS75P52C11</b> 1SBV012752R1511 0 35° 51° 74° 21-22 13-14 18°	<b>LS75P7 C11</b> 1SBV01277 R1511 0 35° 51° 74° 21-22 13-14 18°
<b>Slow action contacts</b> Type Order code Operation diagram	<b>LS75P4 L02</b> 1SBV01274 R1302 0 19° 37° 74° 11-12 21-22	<b>LS75P5 L02</b> 1SBV01275 R1302 0 19° 37° 74° 11-12 21-22	<b>LS75P52L02</b> 1SBV012752R1302 0 19° 37° 74° 11-12 21-22	<b>LS75P7 L02</b> 1SBV01277 R1302 0 19° 37° 74° 11-12 21-22
<b>Slow action contacts</b> Type Order code Operation diagram	<b>LS75P4 L20</b> 1SBV01274 R1320 0 18° 74° 13-14 23-24	<b>LS75P5 L20</b> 1SBV01275 R1320 0 18° 74° 13-14 23-24	<b>LS75P52L20</b> 1SBV012752R1320 0 18° 74° 13-14 23-24	<b>LS75P7 L20</b> 1SBV01277 R1320 0 18° 74° 13-14 23-24
<b>Snap action contacts</b> Type Order code Operation diagram	<b>LS75P4 B02</b> 1SBV01274 R1202 0 17° 30° 46° 74° 11-12 21-22	<b>LS75P5 B02</b> 1SBV01275 R1202 0 17° 30° 46° 74° 11-12 21-22	<b>LS75P52B02</b> 1SBV012752R1202 0 17° 30° 46° 74° 11-12 21-22	<b>LS75P7 B02</b> 1SBV01277 R1202 0 17° 30° 46° 74° 11-12 21-22
<b>Weight (packing per unit)</b>	<b>kg</b> 0.137	0.147	0.162	0.137

Special heads, accessories and special contact arrangement or particular function: please consult us.

Closed contact / Open contact

**Dimensions (in mm)**

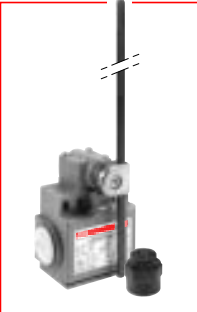
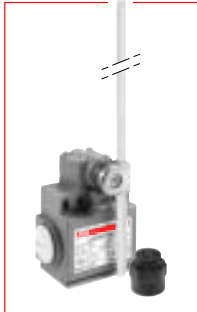
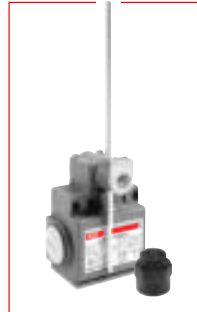
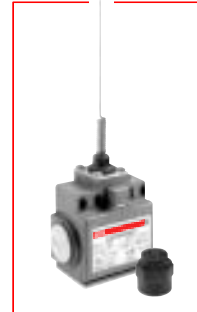

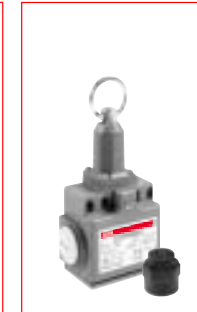


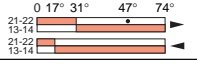
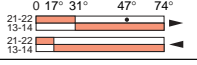
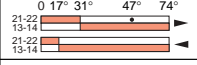
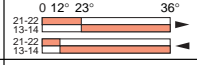
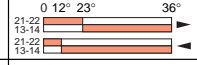
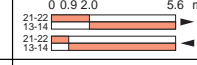
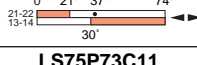
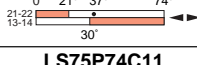
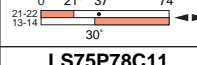
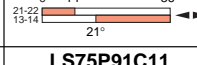
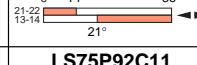
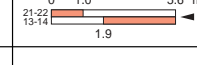
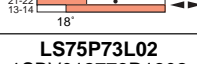
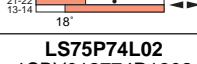
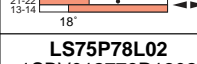
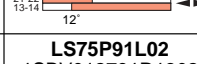
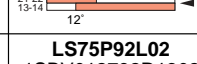
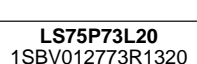
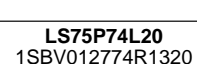
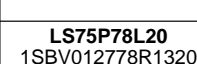
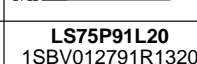
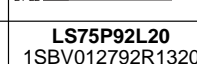
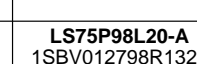
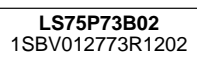
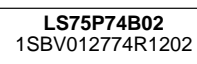
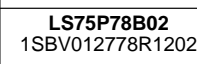
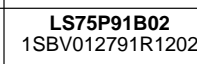
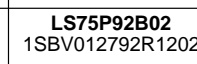

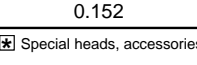
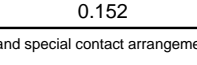
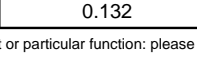
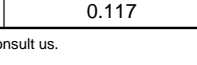
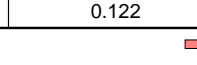
>> Description, Travel and Technical Data ..... pages 4...11 >> Accessories ..... page 48 >> Utilization Precautions ..... page 51



# LS75P... Limit Switches

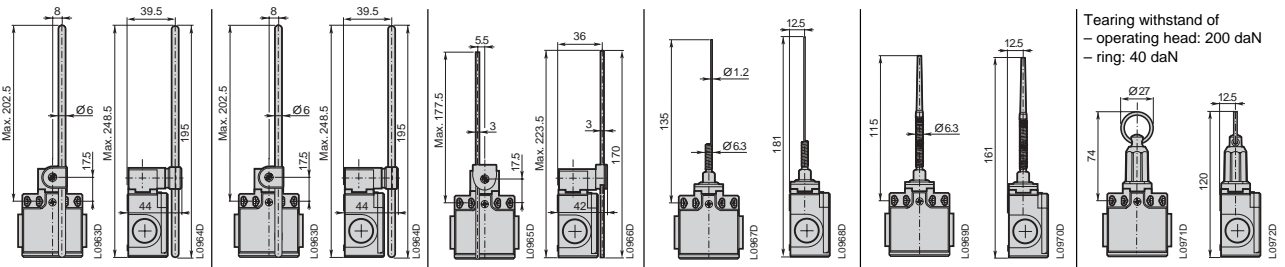
Double Insulation - Plastic Casing IP65 - 60 mm Width  
2 Cable Inlets for 1/2" NPT plastic adaptor

Fully Directional Translation Movement		Multidirectional			Pull Action
					
<b>Adjustable ø6 polyamide rod lever</b>	<b>Adjustable ø6 fibre-glass rod lever</b>	<b>Adjustable 3 square steel rod lever</b>	<b>Spring rod</b>	<b>Flexible rod with insulated end</b>	<b>Pull action with ring</b>
1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1.5 m/s 0.1 N.m 0.32 N.m	1 m/s 0.12 N.m	1 m/s 0.12 N.m	0.5 m/s 30 N

<b>LS75P73B11</b> 1SBV012773R1211	<b>LS75P74B11</b> 1SBV012774R1211	<b>LS75P78B11</b> 1SBV012778R1211	<b>LS75P91B11</b> 1SBV012791R1211	<b>LS75P92B11</b> 1SBV012792R1211	<b>LS75P98B11-A</b> 1SBV012798R1211
					
<b>LS75P73D11</b> 1SBV012773R1411	<b>LS75P74D11</b> 1SBV012774R1411	<b>LS75P78D11</b> 1SBV012778R1411	<b>LS75P91D11</b> 1SBV012791R1411	<b>LS75P92D11</b> 1SBV012792R1411	<b>LS75P98D11-A</b> 1SBV012798R1411
					
<b>LS75P73C11</b> 1SBV012773R1511	<b>LS75P74C11</b> 1SBV012774R1511	<b>LS75P78C11</b> 1SBV012778R1511	<b>LS75P91C11</b> 1SBV012791R1511	<b>LS75P92C11</b> 1SBV012792R1511	
					
<b>LS75P73L02</b> 1SBV012773R1302	<b>LS75P74L02</b> 1SBV012774R1302	<b>LS75P78L02</b> 1SBV012778R1302	<b>LS75P91L02</b> 1SBV012791R1302	<b>LS75P92L02</b> 1SBV012792R1302	<b>LS75P98L02-A</b> 1SBV012798R1302
					
<b>LS75P73L20</b> 1SBV012773R1320	<b>LS75P74L20</b> 1SBV012774R1320	<b>LS75P78L20</b> 1SBV012778R1320	<b>LS75P91L20</b> 1SBV012791R1320	<b>LS75P92L20</b> 1SBV012792R1320	<b>LS75P98L20-A</b> 1SBV012798R1320
					
<b>LS75P73B02</b> 1SBV012773R1202	<b>LS75P74B02</b> 1SBV012774R1202	<b>LS75P78B02</b> 1SBV012778R1202	<b>LS75P91B02</b> 1SBV012791R1202	<b>LS75P92B02</b> 1SBV012792R1202	
					
0.152	0.152	0.132	0.117	0.122	0.152

Special heads, accessories and special contact arrangement or particular function: please consult us.

■ Closed contact / □ Open contact



Tearing withstand of  
- operating head: 200 daN  
- ring: 40 daN

>> Description, Travel and Technical Data ..... pages 4...11

>> Accessories ..... page 48

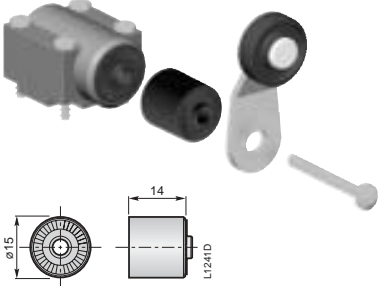
>> Utilization Precautions ..... page 51

# Limit Switches Plastic and Metal Casing

## Accessories

### Extension piece for angular motion head

This accessory, made of polymer glass-reinforced resin, allows the lever to operate with an increased offset.



Dimensions:  $\phi 15$ , 14, L12410

LSA70X-9004	1SBV 04 8600 R9004
LSA70X-9004	1SBV 04 8600 T9004
LSA70X-9004	1SBV 04 8600 W9004

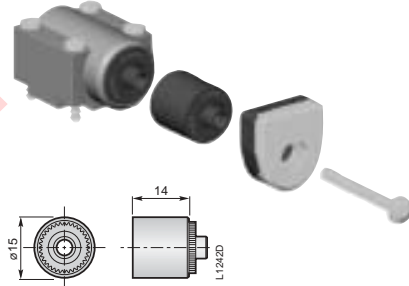
**Compatible heads**

P40 ... P49  
M40 ... M49

P50 ... P79  
M50 ... M79

In order to install this accessory  
a longer screw is needed  
(delivered with the extension piece)

1 piece (minimum order 10 pieces)
10 pieces (1 packet)
50 pieces (1 packet)






Dimensions:  $\phi 15$ , 14, L12420

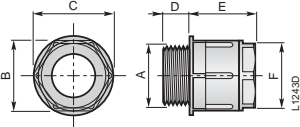
LSA70X-9005	1SBV 04 8600 R9005
LSA70X-9005	1SBV 04 8600 T9005
LSA70X-9005	1SBV 04 8600 W9005

### Cable glands - Blanking plugs - Thread adaptors

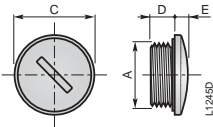
The use of the correct cable gland (or blanking plug in case of unused cable inlets) is recommended if the product is installed in an environment when a protection degree against water or dust is needed. ABB's cable glands and blanking plugs are designed to guarantee a protection degree of IP66. Thread adaptors are available request. The adaptors must always be used when a direct conduit connection to the limit switch is required. Different adaptors can be supplied upon request.

	Cable Glands - IP68	Blanking Plugs - IP66	Thread Adaptors (male/female)																																									
<table border="1" style="font-size: small;"> <tr><td><b>R</b></td><td>1 piece (Min. order 10 pieces)</td></tr> <tr><td><b>T</b></td><td>10 pieces (1 packet)</td></tr> <tr><td><b>W</b></td><td>50 pieces (1 packet)</td></tr> </table> <p> page ordering detail</p>	<b>R</b>	1 piece (Min. order 10 pieces)	<b>T</b>	10 pieces (1 packet)	<b>W</b>	50 pieces (1 packet)			<p>Plastic thread adaptor (male/female): Pg11 to 1/2" NPT</p> <p>Brass thread adaptor (male/female): 1/2" NPT to 1/2" NPT</p> <div style="text-align: center;">  </div>																																			
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Thread type	Type	Order code																																										
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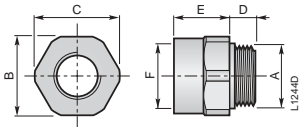
Dimensions (in mm)	A	B	C	D	E	F
Pg11	Pg11	22		10	23-28	$\phi$ 5-10
Pg13.5	Pg13.5	24		10	24-29	$\phi$ 6-12
ISO 16	M16x1.5	19		8	23-28	$\phi$ 5-10
ISO 20	M20x1.5	25		9	24-29	$\phi$ 8-13
1/2" NPT						
Pg11 to 1/2" NPT						
1/2" NPT to 1/2" NPT						



L1243D



L1245D



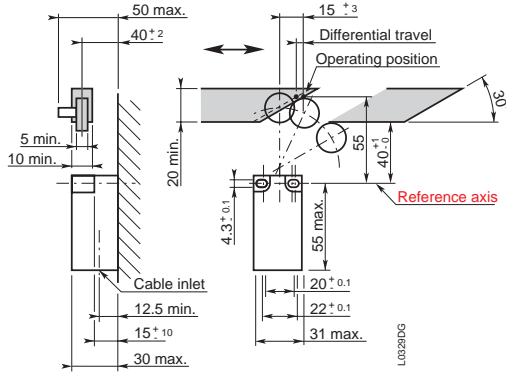
L1244D

>> Ordering details ..... page 76

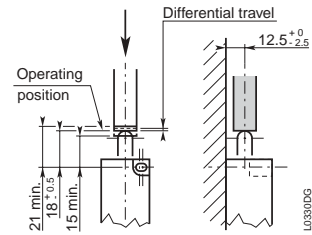
# Limit Switches

## EN 50047 Standard

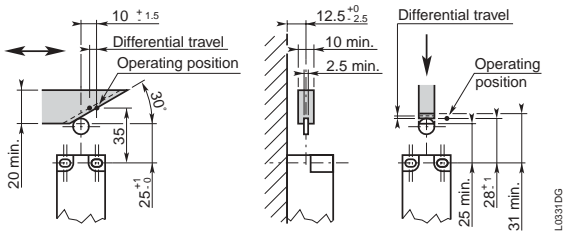
The European Committee for Electrotechnical Standardization (CENELEC), which groups together 18 European countries, publishes EN standards. The present standard defines dimensions and mechanical data for limit switches (30 x 55 mm).



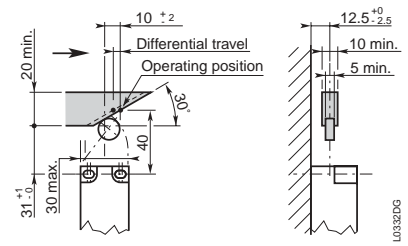
**A Shape**  
Roller lever operating heads



**B Shape**  
Rounded plunger operating heads



**C Shape**  
Roller plunger operating heads



**E Shape**  
Roller lever operating heads

# LS Series Limit Switches

## Terminology


### Double Insulation

Class II materials, according to IEC 536, are designed with double insulation. This measure consists in doubling the functional insulation with an additional layer of insulation so as to eliminate the risk of electric shock and thus not having to protect elsewhere. No conductive part of "double insulated" material should be connected to a protective conductor.

### Positive Opening Operation

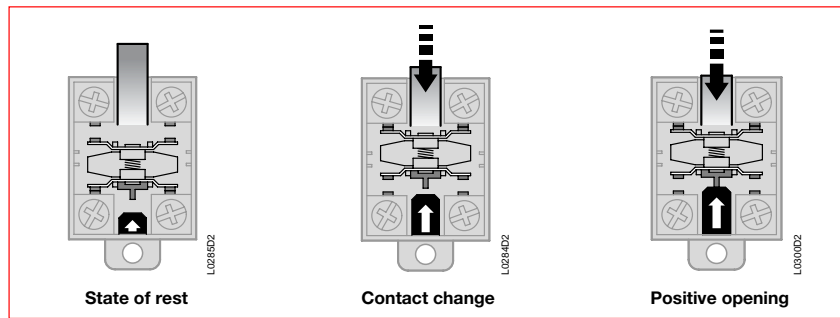
A control switch, with one or more break-contact elements, has a positive opening operation when the switch actuator ensures full contact opening of the break-contact. For the part of travel that separates the contacts, there must be a positive drive, with no resilient member (e.g. springs), between the moving contacts and the point of the actuator to which the actuating force is applied.

Control switches with positive opening operation may be provided with either snap action or slow action contact elements. To use several contacts on the same control switch with positive opening operation, they must be electrically separated from each other, if not, only one may be used.

Every control switch with positive opening operation must be indelibly marked on the outside with the symbol: 

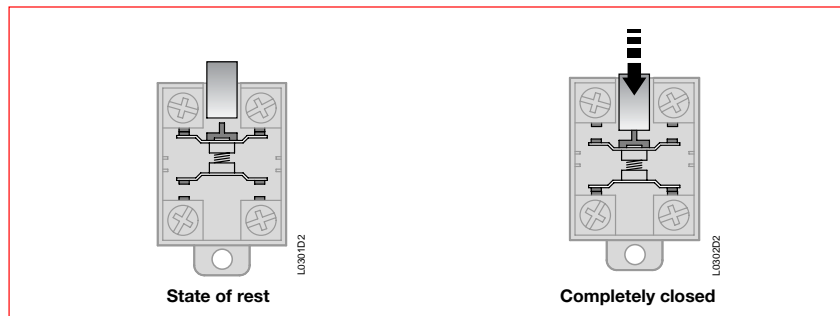
### Snap Action

Snap action contacts are characterised by a release position that is distinct from the operating position (differential travel). Snap breaking of moving contacts is independent of the switch actuator's speed and contributes to regular electric performance even for slow switch actuator speeds.

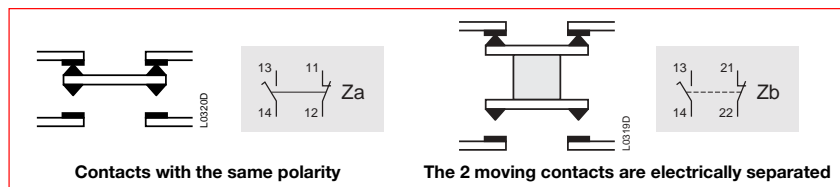


### Slow Action

Slow action contacts are characterised by a release position that is the same as the operating position. The switch actuator's speed directly conditions the travel speed of contacts.



**Contact shape according to IEC 60947-5-1.** Change-over contact elements with 4 terminals must be indelibly marked **Za** or **Zb**. See figure opposite for contact representation.



### Utilization Category

AC-15: switching of electromagnetic loads of electromagnets using an alternating current (>72 VA).  
DC-13: switching of electromagnets using a direct current.

### Minimum Actuation Force / Torque

The minimum amount of force/torque that is to be applied to the switch actuator to produce a change in contact position.

### Minimum Force / Torque to achieve Positive Opening Operation

The minimum amount of force/torque that is to be applied to the switch actuator to ensure positive opening operation of the N.C. contact.

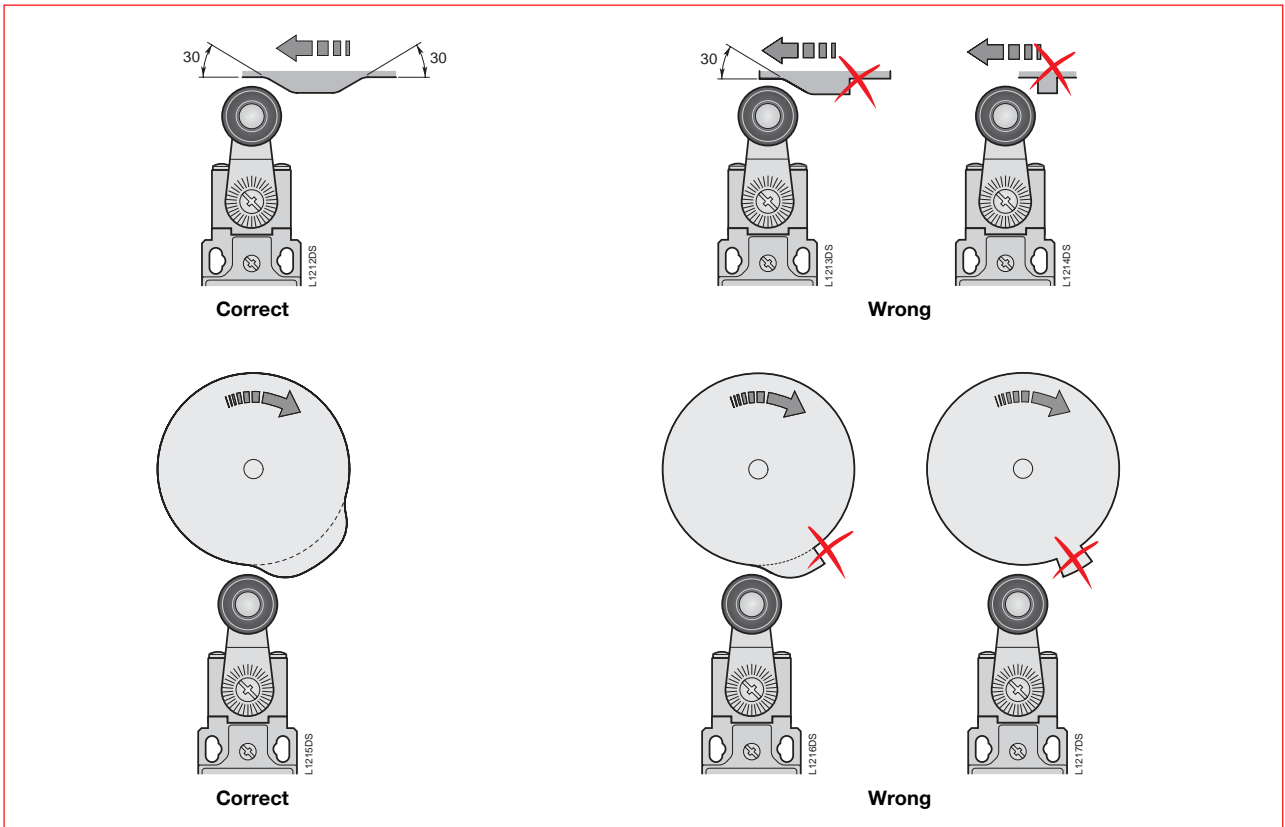
# LS Series Limit Switches

## Utilization precautions

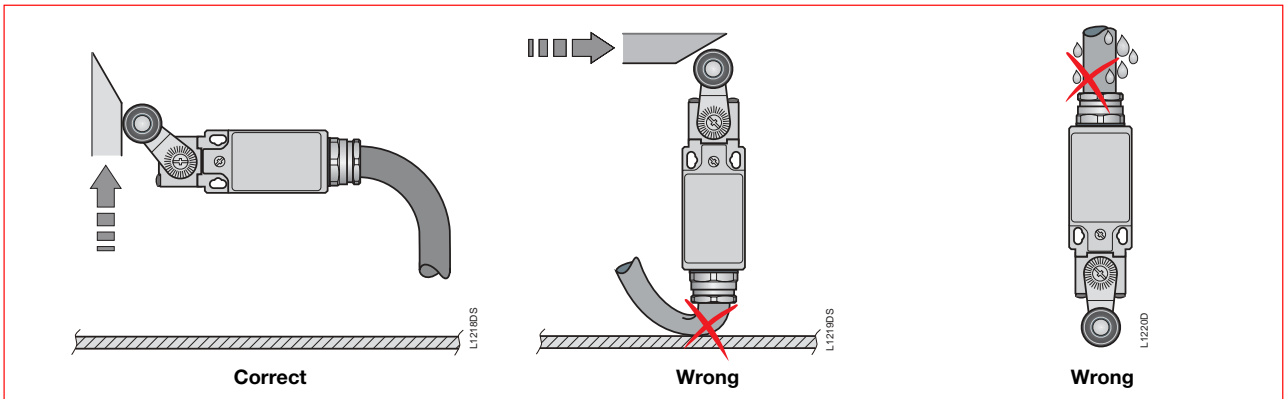
### Plain plunger



### Roller plunger or roller lever



### Curve of connecting cable / Cable gland orientation



# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
B11	D11	C11	L02	L20	B02			

#### Steel plain plunger (zinc-plated)

1						LS32M11B11	1SBV 01 1911 R1211	0.180
	1					LS32M11D11	1SBV 01 1911 R1411	0.180
		1				LS32M11C11	1SBV 01 1911 R1511	0.180
			1			LS32M11L02	1SBV 01 1911 R1302	0.180
				1		LS32M11L20	1SBV 01 1911 R1320	0.180
					1	LS32M11B02	1SBV 01 1911 R1202	0.180
1						LS33M11B11	1SBV 01 3811 R1211	0.180
	1					LS33M11D11	1SBV 01 3811 R1411	0.180
		1				LS33M11C11	1SBV 01 3811 R1511	0.180
			1			LS33M11L02	1SBV 01 3811 R1302	0.180
				1		LS33M11L20	1SBV 01 3811 R1320	0.180
					1	LS33M11B02	1SBV 01 3811 R1202	0.180
1						LS35M11B11	1SBV 01 3711 R1211	0.180
	1					LS35M11D11	1SBV 01 3711 R1411	0.180
		1				LS35M11C11	1SBV 01 3711 R1511	0.180
			1			LS35M11L02	1SBV 01 3711 R1302	0.180
				1		LS35M11L20	1SBV 01 3711 R1320	0.180
					1	LS35M11B02	1SBV 01 3711 R1202	0.180

#### ø11 steel roller plunger (zinc-plated)

1						LS32M12B11	1SBV 01 1912 R1211	0.185
	1					LS32M12D11	1SBV 01 1912 R1411	0.185
		1				LS32M12C11	1SBV 01 1912 R1511	0.185
			1			LS32M12L02	1SBV 01 1912 R1302	0.185
				1		LS32M12L20	1SBV 01 1912 R1320	0.185
					1	LS32M12B02	1SBV 01 1912 R1202	0.185
1						LS33M12B11	1SBV 01 3812 R1211	0.185
	1					LS33M12D11	1SBV 01 3812 R1411	0.185
		1				LS33M12C11	1SBV 01 3812 R1511	0.185
			1			LS33M12L02	1SBV 01 3812 R1302	0.185
				1		LS33M12L20	1SBV 01 3812 R1320	0.185
					1	LS33M12B02	1SBV 01 3812 R1202	0.185
1						LS35M12B11	1SBV 01 3712 R1211	0.185
	1					LS35M12D11	1SBV 01 3712 R1411	0.185
		1				LS35M12C11	1SBV 01 3712 R1511	0.185
			1			LS35M12L02	1SBV 01 3712 R1302	0.185
				1		LS35M12L20	1SBV 01 3712 R1320	0.185
					1	LS35M12B02	1SBV 01 3712 R1202	0.185

#### ø11 plastic (polyacetal) roller plunger

1						LS32M13B11	1SBV 01 1913 R1211	0.185
	1					LS32M13D11	1SBV 01 1913 R1411	0.185
		1				LS32M13C11	1SBV 01 1913 R1511	0.185
			1			LS32M13L02	1SBV 01 1913 R1302	0.185
				1		LS32M13L20	1SBV 01 1913 R1320	0.185
					1	LS32M13B02	1SBV 01 1913 R1202	0.185
1						LS33M13B11	1SBV 01 3813 R1211	0.185
	1					LS33M13D11	1SBV 01 3813 R1411	0.185
		1				LS33M13C11	1SBV 01 3813 R1511	0.185
			1			LS33M13L02	1SBV 01 3813 R1302	0.185
				1		LS33M13L20	1SBV 01 3813 R1320	0.185
					1	LS33M13B02	1SBV 01 3813 R1202	0.185
1						LS35M13B11	1SBV 01 3713 R1211	0.185
	1					LS35M13D11	1SBV 01 3713 R1411	0.185
		1				LS35M13C11	1SBV 01 3713 R1511	0.185
			1			LS35M13L02	1SBV 01 3713 R1302	0.185
				1		LS35M13L20	1SBV 01 3713 R1320	0.185
					1	LS35M13B02	1SBV 01 3713 R1202	0.185

>> Technical Data, Dimensions ..... page 12

>> Accessories ..... page 76



LS32M11B11



LS32M12B11



LS32M13B11

# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### Steel plain plunger (zinc-plated) with dust protection cup

1						LS32M14B11	1SBV 01 1914 R1211	0.180
	1					LS32M14D11	1SBV 01 1914 R1411	0.180
		1				LS32M14C11	1SBV 01 1914 R1511	0.180
			1			LS32M14L02	1SBV 01 1914 R1302	0.180
				1		LS32M14L20	1SBV 01 1914 R1320	0.180
					1	LS32M14B02	1SBV 01 1914 R1202	0.180
1						LS33M14B11	1SBV 01 3814 R1211	0.180
	1					LS33M14D11	1SBV 01 3814 R1411	0.180
		1				LS33M14C11	1SBV 01 3814 R1511	0.180
			1			LS33M14L02	1SBV 01 3814 R1302	0.180
				1		LS33M14L20	1SBV 01 3814 R1320	0.180
					1	LS33M14B02	1SBV 01 3814 R1202	0.180
1						LS35M14B11	1SBV 01 3714 R1211	0.180
	1					LS35M14D11	1SBV 01 3714 R1411	0.180
		1				LS35M14C11	1SBV 01 3714 R1511	0.180
			1			LS35M14L02	1SBV 01 3714 R1302	0.180
				1		LS35M14L20	1SBV 01 3714 R1320	0.180
					1	LS35M14B02	1SBV 01 3714 R1202	0.180

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1						LS32M31B11	1SBV 01 1931 R1211	0.175
	1					LS32M31D11	1SBV 01 1931 R1411	0.175
		1				LS32M31C11	1SBV 01 1931 R1511	0.175
			1			LS32M31L02	1SBV 01 1931 R1302	0.175
				1		LS32M31L20	1SBV 01 1931 R1320	0.175
					1	LS32M31B02	1SBV 01 1931 R1202	0.175
1						LS33M31B11	1SBV 01 3831 R1211	0.175
	1					LS33M31D11	1SBV 01 3831 R1411	0.175
		1				LS33M31C11	1SBV 01 3831 R1511	0.175
			1			LS33M31L02	1SBV 01 3831 R1302	0.175
				1		LS33M31L20	1SBV 01 3831 R1320	0.175
					1	LS33M31B02	1SBV 01 3831 R1202	0.175
1						LS35M31B11	1SBV 01 3731 R1211	0.175
	1					LS35M31D11	1SBV 01 3731 R1411	0.175
		1				LS35M31C11	1SBV 01 3731 R1511	0.175
			1			LS35M31L02	1SBV 01 3731 R1302	0.175
				1		LS35M31L20	1SBV 01 3731 R1320	0.175
					1	LS35M31B02	1SBV 01 3731 R1202	0.175

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1						LS32M32B11	1SBV 01 1932 R1211	0.175
	1					LS32M32D11	1SBV 01 1932 R1411	0.175
		1				LS32M32C11	1SBV 01 1932 R1511	0.175
			1			LS32M32L02	1SBV 01 1932 R1302	0.175
				1		LS32M32L20	1SBV 01 1932 R1320	0.175
					1	LS32M32B02	1SBV 01 1932 R1202	0.175
1						LS33M32B11	1SBV 01 3832 R1211	0.175
	1					LS33M32D11	1SBV 01 3832 R1411	0.175
		1				LS33M32C11	1SBV 01 3832 R1511	0.175
			1			LS33M32L02	1SBV 01 3832 R1302	0.175
				1		LS33M32L20	1SBV 01 3832 R1320	0.175
					1	LS33M32B02	1SBV 01 3832 R1202	0.175
1						LS35M32B11	1SBV 01 3732 R1211	0.175
	1					LS35M32D11	1SBV 01 3732 R1411	0.175
		1				LS35M32C11	1SBV 01 3732 R1511	0.175
			1			LS35M32L02	1SBV 01 3732 R1302	0.175
				1		LS35M32L20	1SBV 01 3732 R1320	0.175
					1	LS35M32B02	1SBV 01 3732 R1202	0.175

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LS32M14B11

LS32M31B11


LS32M32B11

# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
								Packing 1 piece
<b>B11</b>	<b>D11</b>	<b>C11</b>	<b>L02</b>	<b>L20</b>	<b>B02</b>			

#### Adjustable ø22 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1						LS32M38B11	1SBV 01 1938 R1211	0.180
	1					LS32M38D11	1SBV 01 1938 R1411	0.180
		1				LS32M38C11	1SBV 01 1938 R1511	0.180
			1			LS32M38L02	1SBV 01 1938 R1302	0.180
				1		LS32M38L20	1SBV 01 1938 R1320	0.180
					1	LS32M38B02	1SBV 01 1938 R1202	0.180
1						LS33M38B11	1SBV 01 3838 R1211	0.180
	1					LS33M38D11	1SBV 01 3838 R1411	0.180
		1				LS33M38C11	1SBV 01 3838 R1511	0.180
			1			LS33M38L02	1SBV 01 3838 R1302	0.180
				1		LS33M38L20	1SBV 01 3838 R1320	0.180
					1	LS33M38B02	1SBV 01 3838 R1202	0.180
1						LS35M38B11	1SBV 01 3738 R1211	0.180
	1					LS35M38D11	1SBV 01 3738 R1411	0.180
		1				LS35M38C11	1SBV 01 3738 R1511	0.180
			1			LS35M38L02	1SBV 01 3738 R1302	0.180
				1		LS35M38L20	1SBV 01 3738 R1320	0.180
					1	LS35M38B02	1SBV 01 3738 R1202	0.180

#### ø18 plastic (polyacetal) roller lever

1						LS32M41B11	1SBV 01 1941 R1211	0.230
	1					LS32M41D11	1SBV 01 1941 R1411	0.230
		1				LS32M41C11	1SBV 01 1941 R1511	0.230
			1			LS32M41L02	1SBV 01 1941 R1302	0.230
				1		LS32M41L20	1SBV 01 1941 R1320	0.230
					1	LS32M41B02	1SBV 01 1941 R1202	0.230
1						LS33M41B11	1SBV 01 3841 R1211	0.230
	1					LS33M41D11	1SBV 01 3841 R1411	0.230
		1				LS33M41C11	1SBV 01 3841 R1511	0.230
			1			LS33M41L02	1SBV 01 3841 R1302	0.230
				1		LS33M41L20	1SBV 01 3841 R1320	0.230
					1	LS33M41B02	1SBV 01 3841 R1202	0.230
1						LS35M41B11	1SBV 01 3741 R1211	0.230
	1					LS35M41D11	1SBV 01 3741 R1411	0.230
		1				LS35M41C11	1SBV 01 3741 R1511	0.230
			1			LS35M41L02	1SBV 01 3741 R1302	0.230
				1		LS35M41L20	1SBV 01 3741 R1320	0.230
					1	LS35M41B02	1SBV 01 3741 R1202	0.230

#### ø50 rubber roller lever

1						LS32M42B11	1SBV 01 1942 R1211	0.255
	1					LS32M42D11	1SBV 01 1942 R1411	0.255
		1				LS32M42C11	1SBV 01 1942 R1511	0.255
			1			LS32M42L02	1SBV 01 1942 R1302	0.255
				1		LS32M42L20	1SBV 01 1942 R1320	0.255
					1	LS32M42B02	1SBV 01 1942 R1202	0.255
1						LS33M42B11	1SBV 01 3842 R1211	0.255
	1					LS33M42D11	1SBV 01 3842 R1411	0.255
		1				LS33M42C11	1SBV 01 3842 R1511	0.255
			1			LS33M42L02	1SBV 01 3842 R1302	0.255
				1		LS33M42L20	1SBV 01 3842 R1320	0.255
					1	LS33M42B02	1SBV 01 3842 R1202	0.255
1						LS35M42B11	1SBV 01 3742 R1211	0.255
	1					LS35M42D11	1SBV 01 3742 R1411	0.255
		1				LS35M42C11	1SBV 01 3742 R1511	0.255
			1			LS35M42L02	1SBV 01 3742 R1302	0.255
				1		LS35M42L20	1SBV 01 3742 R1320	0.255
					1	LS35M42B02	1SBV 01 3742 R1202	0.255

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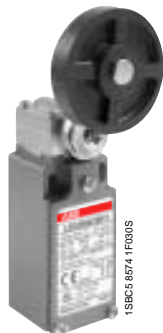
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LS32M38B11



LS32M41B11



LS32M42B11



# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece
<b>ø18 steel roller lever (zinc-plated)</b>								
1						LS32M43B11	1SBV 01 1943 R1211	0.235
	1					LS32M43D11	1SBV 01 1943 R1411	0.235
		1				LS32M43C11	1SBV 01 1943 R1511	0.235
			1			LS32M43L02	1SBV 01 1943 R1302	0.235
				1		LS32M43L20	1SBV 01 1943 R1320	0.235
					1	LS32M43B02	1SBV 01 1943 R1202	0.235
1						LS33M43B11	1SBV 01 3843 R1211	0.235
	1					LS33M43D11	1SBV 01 3843 R1411	0.235
		1				LS33M43C11	1SBV 01 3843 R1511	0.235
			1			LS33M43L02	1SBV 01 3843 R1302	0.235
				1		LS33M43L20	1SBV 01 3843 R1320	0.235
					1	LS33M43B02	1SBV 01 3843 R1202	0.235
1						LS35M43B11	1SBV 01 3743 R1211	0.235
	1					LS35M43D11	1SBV 01 3743 R1411	0.235
		1				LS35M43C11	1SBV 01 3743 R1511	0.235
			1			LS35M43L02	1SBV 01 3743 R1302	0.235
				1		LS35M43L20	1SBV 01 3743 R1320	0.235
					1	LS35M43B02	1SBV 01 3743 R1202	0.235
<b>ø18 plastic (polyacetal) roller with bent lever</b>								
1						LS32M45B11	1SBV 01 1945 R1211	0.245
	1					LS32M45D11	1SBV 01 1945 R1411	0.245
		1				LS32M45C11	1SBV 01 1945 R1511	0.245
			1			LS32M45L02	1SBV 01 1945 R1302	0.245
				1		LS32M45L20	1SBV 01 1945 R1320	0.245
					1	LS32M45B02	1SBV 01 1945 R1202	0.245
1						LS33M45B11	1SBV 01 3845 R1211	0.245
	1					LS33M45D11	1SBV 01 3845 R1411	0.245
		1				LS33M45C11	1SBV 01 3845 R1511	0.245
			1			LS33M45L02	1SBV 01 3845 R1302	0.245
				1		LS33M45L20	1SBV 01 3845 R1320	0.245
					1	LS33M45B02	1SBV 01 3845 R1202	0.245
1						LS35M45B11	1SBV 01 3745 R1211	0.245
	1					LS35M45D11	1SBV 01 3745 R1411	0.245
		1				LS35M45C11	1SBV 01 3745 R1511	0.245
			1			LS35M45L02	1SBV 01 3745 R1302	0.245
				1		LS35M45L20	1SBV 01 3745 R1320	0.245
					1	LS35M45B02	1SBV 01 3745 R1202	0.245
<b>ø18 steel roller (zinc-plated) with bent lever</b>								
1						LS32M46B11	1SBV 01 1946 R1211	0.250
	1					LS32M46D11	1SBV 01 1946 R1411	0.250
		1				LS32M46C11	1SBV 01 1946 R1511	0.250
			1			LS32M46L02	1SBV 01 1946 R1302	0.250
				1		LS32M46L20	1SBV 01 1946 R1320	0.250
					1	LS32M46B02	1SBV 01 1946 R1202	0.250
1						LS33M46B11	1SBV 01 3846 R1211	0.250
	1					LS33M46D11	1SBV 01 3846 R1411	0.250
		1				LS33M46C11	1SBV 01 3846 R1511	0.250
			1			LS33M46L02	1SBV 01 3846 R1302	0.250
				1		LS33M46L20	1SBV 01 3846 R1320	0.250
					1	LS33M46B02	1SBV 01 3846 R1202	0.250
1						LS35M46B11	1SBV 01 3746 R1211	0.250
	1					LS35M46D11	1SBV 01 3746 R1411	0.250
		1				LS35M46C11	1SBV 01 3746 R1511	0.250
			1			LS35M46L02	1SBV 01 3746 R1302	0.250
				1		LS35M46L20	1SBV 01 3746 R1320	0.250
					1	LS35M46B02	1SBV 01 3746 R1202	0.250



LS32M43B11



LS32M45B11



LS32M46B11

# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
B11	D11	C11	L02	L20	B02			

#### Adjustable ø18 plastic (polyacetal) roller lever

1						LS32M51B11	1SBV 01 1951 R1211	0.240
	1					LS32M51D11	1SBV 01 1951 R1411	0.240
		1				LS32M51C11	1SBV 01 1951 R1511	0.240
			1			LS32M51L02	1SBV 01 1951 R1302	0.240
				1		LS32M51L20	1SBV 01 1951 R1320	0.240
					1	LS32M51B02	1SBV 01 1951 R1202	0.240
1						LS33M51B11	1SBV 01 3851 R1211	0.240
	1					LS33M51D11	1SBV 01 3851 R1411	0.240
		1				LS33M51C11	1SBV 01 3851 R1511	0.240
			1			LS33M51L02	1SBV 01 3851 R1302	0.240
				1		LS33M51L20	1SBV 01 3851 R1320	0.240
					1	LS33M51B02	1SBV 01 3851 R1202	0.240
1						LS35M51B11	1SBV 01 3751 R1211	0.240
	1					LS35M51D11	1SBV 01 3751 R1411	0.240
		1				LS35M51C11	1SBV 01 3751 R1511	0.240
			1			LS35M51L02	1SBV 01 3751 R1302	0.240
				1		LS35M51L20	1SBV 01 3751 R1320	0.240
					1	LS35M51B02	1SBV 01 3751 R1202	0.240

#### Adjustable ø50 rubber roller lever

1						LS32M52B11	1SBV 01 1952 R1211	0.265
	1					LS32M52D11	1SBV 01 1952 R1411	0.265
		1				LS32M52C11	1SBV 01 1952 R1511	0.265
			1			LS32M52L02	1SBV 01 1952 R1302	0.265
				1		LS32M52L20	1SBV 01 1952 R1320	0.265
					1	LS32M52B02	1SBV 01 1952 R1202	0.265
1						LS33M52B11	1SBV 01 3852 R1211	0.265
	1					LS33M52D11	1SBV 01 3852 R1411	0.265
		1				LS33M52C11	1SBV 01 3852 R1511	0.265
			1			LS33M52L02	1SBV 01 3852 R1302	0.265
				1		LS33M52L20	1SBV 01 3852 R1320	0.265
					1	LS33M52B02	1SBV 01 3852 R1202	0.265
1						LS35M52B11	1SBV 01 3752 R1211	0.265
	1					LS35M52D11	1SBV 01 3752 R1411	0.265
		1				LS35M52C11	1SBV 01 3752 R1511	0.265
			1			LS35M52L02	1SBV 01 3752 R1302	0.265
				1		LS35M52L20	1SBV 01 3752 R1320	0.265
					1	LS35M52B02	1SBV 01 3752 R1202	0.265

#### Adjustable ø18 steel roller lever (zinc-plated)

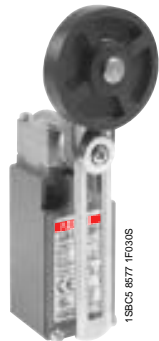
1						LS32M53B11	1SBV 01 1953 R1211	0.245
	1					LS32M53D11	1SBV 01 1953 R1411	0.245
		1				LS32M53C11	1SBV 01 1953 R1511	0.245
			1			LS32M53L02	1SBV 01 1953 R1302	0.245
				1		LS32M53L20	1SBV 01 1953 R1320	0.245
					1	LS32M53B02	1SBV 01 1953 R1202	0.245
1						LS33M53B11	1SBV 01 3853 R1211	0.245
	1					LS33M53D11	1SBV 01 3853 R1411	0.245
		1				LS33M53C11	1SBV 01 3853 R1511	0.245
			1			LS33M53L02	1SBV 01 3853 R1302	0.245
				1		LS33M53L20	1SBV 01 3853 R1320	0.245
					1	LS33M53B02	1SBV 01 3853 R1202	0.245
1						LS35M53B11	1SBV 01 3753 R1211	0.245
	1					LS35M53D11	1SBV 01 3753 R1411	0.245
		1				LS35M53C11	1SBV 01 3753 R1511	0.245
			1			LS35M53L02	1SBV 01 3753 R1302	0.245
				1		LS35M53L20	1SBV 01 3753 R1320	0.245
					1	LS35M53B02	1SBV 01 3753 R1202	0.245

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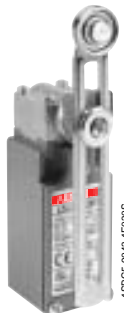
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LS32M51B11



LS32M52B11



LS32M53B11

# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### Adjustable lever (vertical and horizontal) with ø50 rubber roller

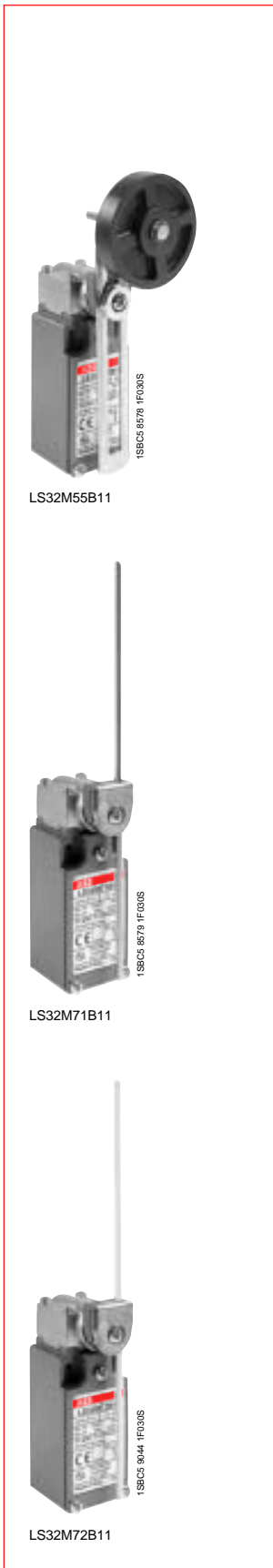
1						LS32M55B11	1SBV 01 1955 R1211	0.270
	1					LS32M55D11	1SBV 01 1955 R1411	0.270
		1				LS32M55C11	1SBV 01 1955 R1511	0.270
			1			LS32M55L02	1SBV 01 1955 R1302	0.270
				1		LS32M55L20	1SBV 01 1955 R1320	0.270
					1	LS32M55B02	1SBV 01 1955 R1202	0.270
1						LS33M55B11	1SBV 01 3855 R1211	0.270
	1					LS33M55D11	1SBV 01 3855 R1411	0.270
		1				LS33M55C11	1SBV 01 3855 R1511	0.270
			1			LS33M55L02	1SBV 01 3855 R1302	0.270
				1		LS33M55L20	1SBV 01 3855 R1320	0.270
					1	LS33M55B02	1SBV 01 3855 R1202	0.270
1						LS35M55B11	1SBV 01 3755 R1211	0.270
	1					LS35M55D11	1SBV 01 3755 R1411	0.270
		1				LS35M55C11	1SBV 01 3755 R1511	0.270
			1			LS35M55L02	1SBV 01 3755 R1302	0.270
				1		LS35M55L20	1SBV 01 3755 R1320	0.270
					1	LS35M55B02	1SBV 01 3755 R1202	0.270

#### Adjustable ø3 stainless steel rod lever

1						LS32M71B11	1SBV 01 1971 R1211	0.245
	1					LS32M71D11	1SBV 01 1971 R1411	0.245
		1				LS32M71C11	1SBV 01 1971 R1511	0.245
			1			LS32M71L02	1SBV 01 1971 R1302	0.245
				1		LS32M71L20	1SBV 01 1971 R1320	0.245
					1	LS32M71B02	1SBV 01 1971 R1202	0.245
1						LS33M71B11	1SBV 01 3871 R1211	0.245
	1					LS33M71D11	1SBV 01 3871 R1411	0.245
		1				LS33M71C11	1SBV 01 3871 R1511	0.245
			1			LS33M71L02	1SBV 01 3871 R1302	0.245
				1		LS33M71L20	1SBV 01 3871 R1320	0.245
					1	LS33M71B02	1SBV 01 3871 R1202	0.245
1						LS35M71B11	1SBV 01 3771 R1211	0.245
	1					LS35M71D11	1SBV 01 3771 R1411	0.245
		1				LS35M71C11	1SBV 01 3771 R1511	0.245
			1			LS35M71L02	1SBV 01 3771 R1302	0.245
				1		LS35M71L20	1SBV 01 3771 R1320	0.245
					1	LS35M71B02	1SBV 01 3771 R1202	0.245

#### Adjustable ø3 fibre-glass rod lever

1						LS32M72B11	1SBV 01 1972 R1211	0.235
	1					LS32M72D11	1SBV 01 1972 R1411	0.235
		1				LS32M72C11	1SBV 01 1972 R1511	0.235
			1			LS32M72L02	1SBV 01 1972 R1302	0.235
				1		LS32M72L20	1SBV 01 1972 R1320	0.235
					1	LS32M72B02	1SBV 01 1972 R1202	0.235
1						LS33M72B11	1SBV 01 3872 R1211	0.235
	1					LS33M72D11	1SBV 01 3872 R1411	0.235
		1				LS33M72C11	1SBV 01 3872 R1511	0.235
			1			LS33M72L02	1SBV 01 3872 R1302	0.235
				1		LS33M72L20	1SBV 01 3872 R1320	0.235
					1	LS33M72B02	1SBV 01 3872 R1202	0.235
1						LS35M72B11	1SBV 01 3772 R1211	0.235
	1					LS35M72D11	1SBV 01 3772 R1411	0.235
		1				LS35M72C11	1SBV 01 3772 R1511	0.235
			1			LS35M72L02	1SBV 01 3772 R1302	0.235
				1		LS35M72L20	1SBV 01 3772 R1320	0.235
					1	LS35M72B02	1SBV 01 3772 R1202	0.235



# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
<b>B11</b>	<b>D11</b>	<b>C11</b>	<b>L02</b>	<b>L20</b>	<b>B02</b>			

#### Adjustable ø6 polyamide rod lever

1						LS32M73B11	1SBV 01 1973 R1211	0.255
	1					LS32M73D11	1SBV 01 1973 R1411	0.255
		1				LS32M73C11	1SBV 01 1973 R1511	0.255
			1			LS32M73L02	1SBV 01 1973 R1302	0.255
				1		LS32M73L20	1SBV 01 1973 R1320	0.255
					1	LS32M73B02	1SBV 01 1973 R1202	0.255
1						LS33M73B11	1SBV 01 3873 R1211	0.255
	1					LS33M73D11	1SBV 01 3873 R1411	0.255
		1				LS33M73C11	1SBV 01 3873 R1511	0.255
			1			LS33M73L02	1SBV 01 3873 R1302	0.255
				1		LS33M73L20	1SBV 01 3873 R1320	0.255
					1	LS33M73B02	1SBV 01 3873 R1202	0.255
1						LS35M73B11	1SBV 01 3773 R1211	0.255
	1					LS35M73D11	1SBV 01 3773 R1411	0.255
		1				LS35M73C11	1SBV 01 3773 R1511	0.255
			1			LS35M73L02	1SBV 01 3773 R1302	0.255
				1		LS35M73L20	1SBV 01 3773 R1320	0.255
					1	LS35M73B02	1SBV 01 3773 R1202	0.255

#### Adjustable ø6 fibre-glass rod lever

1						LS32M74B11	1SBV 01 1974 R1211	0.255
	1					LS32M74D11	1SBV 01 1974 R1411	0.255
		1				LS32M74C11	1SBV 01 1974 R1511	0.255
			1			LS32M74L02	1SBV 01 1974 R1302	0.255
				1		LS32M74L20	1SBV 01 1974 R1320	0.255
					1	LS32M74B02	1SBV 01 1974 R1202	0.255
1						LS33M74B11	1SBV 01 3874 R1211	0.255
	1					LS33M74D11	1SBV 01 3874 R1411	0.255
		1				LS33M74C11	1SBV 01 3874 R1511	0.255
			1			LS33M74L02	1SBV 01 3874 R1302	0.255
				1		LS33M74L20	1SBV 01 3874 R1320	0.255
					1	LS33M74B02	1SBV 01 3874 R1202	0.255
1						LS35M74B11	1SBV 01 3774 R1211	0.255
	1					LS35M74D11	1SBV 01 3774 R1411	0.255
		1				LS35M74C11	1SBV 01 3774 R1511	0.255
			1			LS35M74L02	1SBV 01 3774 R1302	0.255
				1		LS35M74L20	1SBV 01 3774 R1320	0.255
					1	LS35M74B02	1SBV 01 3774 R1202	0.255

#### Adjustable ø3 square steel rod lever (zinc-plated)

1						LS32M78B11	1SBV 01 1978 R1211	0.240
	1					LS32M78D11	1SBV 01 1978 R1411	0.240
		1				LS32M78C11	1SBV 01 1978 R1511	0.240
			1			LS32M78L02	1SBV 01 1978 R1302	0.240
				1		LS32M78L20	1SBV 01 1978 R1320	0.240
					1	LS32M78B02	1SBV 01 1978 R1202	0.240
1						LS33M78B11	1SBV 01 3878 R1211	0.240
	1					LS33M78D11	1SBV 01 3878 R1411	0.240
		1				LS33M78C11	1SBV 01 3878 R1511	0.240
			1			LS33M78L02	1SBV 01 3878 R1302	0.240
				1		LS33M78L20	1SBV 01 3878 R1320	0.240
					1	LS33M78B02	1SBV 01 3878 R1202	0.240
1						LS35M78B11	1SBV 01 3778 R1211	0.240
	1					LS35M78D11	1SBV 01 3778 R1411	0.240
		1				LS35M78C11	1SBV 01 3778 R1511	0.240
			1			LS35M78L02	1SBV 01 3778 R1302	0.240
				1		LS35M78L20	1SBV 01 3778 R1320	0.240
					1	LS35M78B02	1SBV 01 3778 R1202	0.240

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# LS32M..., LS33M... and LS35M... Limit Switches

## Metal Casing IP66 - 30 mm Width

LS32M with 1 cable inlet M16 x 1.5 for ISO 16 cable gland.  
 LS33M with 1 cable inlet M20 x 1.5 for ISO 20 cable gland.  
 LS35M with 1 cable inlet for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### Spring rod

1						LS32M91B11	1SBV 01 1991 R1211	0.180
	1					LS32M91D11	1SBV 01 1991 R1411	0.180
		1				LS32M91C11	1SBV 01 1991 R1511	0.180
			1			LS32M91L02	1SBV 01 1991 R1302	0.180
				1		LS32M91L20	1SBV 01 1991 R1320	0.180
					1	LS32M91B02	1SBV 01 1991 R1202	0.180
1						LS33M91B11	1SBV 01 3891 R1211	0.180
	1					LS33M91D11	1SBV 01 3891 R1411	0.180
		1				LS33M91C11	1SBV 01 3891 R1511	0.180
			1			LS33M91L02	1SBV 01 3891 R1302	0.180
				1		LS33M91L20	1SBV 01 3891 R1320	0.180
					1	LS33M91B02	1SBV 01 3891 R1202	0.180
1						LS35M91B11	1SBV 01 3791 R1211	0.180
	1					LS35M91D11	1SBV 01 3791 R1411	0.180
		1				LS35M91C11	1SBV 01 3791 R1511	0.180
			1			LS35M91L02	1SBV 01 3791 R1302	0.180
				1		LS35M91L20	1SBV 01 3791 R1320	0.180
					1	LS35M91B02	1SBV 01 3791 R1202	0.180

#### Flexible rod with insulated end

1						LS32M92B11	1SBV 01 1992 R1211	0.185
	1					LS32M92D11	1SBV 01 1992 R1411	0.185
		1				LS32M92C11	1SBV 01 1992 R1511	0.185
			1			LS32M92L02	1SBV 01 1992 R1302	0.185
				1		LS32M92L20	1SBV 01 1992 R1320	0.185
					1	LS32M92B02	1SBV 01 1992 R1202	0.185
1						LS33M92B11	1SBV 01 3892 R1211	0.185
	1					LS33M92D11	1SBV 01 3892 R1411	0.185
		1				LS33M92C11	1SBV 01 3892 R1511	0.185
			1			LS33M92L02	1SBV 01 3892 R1302	0.185
				1		LS33M92L20	1SBV 01 3892 R1320	0.185
					1	LS33M92B02	1SBV 01 3892 R1202	0.185
1						LS35M92B11	1SBV 01 3792 R1211	0.185
	1					LS35M92D11	1SBV 01 3792 R1411	0.185
		1				LS35M92C11	1SBV 01 3792 R1511	0.185
			1			LS35M92L02	1SBV 01 3792 R1302	0.185
				1		LS35M92L20	1SBV 01 3792 R1320	0.185
					1	LS35M92B02	1SBV 01 3792 R1202	0.185

#### Pull action with ring

1						LS32M98B11-A	1SBV 01 1998 R1211	0.215
	1					LS32M98D11-A	1SBV 01 1998 R1411	0.215
			1			LS32M98L02-A	1SBV 01 1998 R1302	0.215
				1		LS32M98L20-A	1SBV 01 1998 R1320	0.215
1						LS33M98B11-A	1SBV 01 3898 R1211	0.215
	1					LS33M98D11-A	1SBV 01 3898 R1411	0.215
			1			LS33M98L02-A	1SBV 01 3898 R1302	0.215
				1		LS33M98L20-A	1SBV 01 3898 R1320	0.215
1						LS35M98B11-A	1SBV 01 3798 R1211	0.215
	1					LS35M98D11-A	1SBV 01 3798 R1411	0.215
			1			LS35M98L02-A	1SBV 01 3798 R1302	0.215
				1		LS35M98L20-A	1SBV 01 3798 R1320	0.215










# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks	Type	Order code	Unit weight kg
 B11			Packing 1 piece
 D11			
 C11			
 L02			
 L20			
 B02			

#### Steel plain plunger (zinc-plated)

1				LS72M11B11	1SBV 01 4311 R1211	0.270	
	1			LS72M11D11	1SBV 01 4311 R1411	0.270	
		1		LS72M11C11	1SBV 01 4311 R1511	0.270	
			1	LS72M11L02	1SBV 01 4311 R1302	0.270	
			1	LS72M11L20	1SBV 01 4311 R1320	0.270	
				1	LS72M11B02	1SBV 01 4311 R1202	0.270
1				LS73M11B11	1SBV 01 5211 R1211	0.270	
	1			LS73M11D11	1SBV 01 5211 R1411	0.270	
		1		LS73M11C11	1SBV 01 5211 R1511	0.270	
			1	LS73M11L02	1SBV 01 5211 R1302	0.270	
			1	LS73M11L20	1SBV 01 5211 R1320	0.270	
				1	LS73M11B02	1SBV 01 5211 R1202	0.270
1				LS75M11B11	1SBV 01 5111 R1211	0.270	
	1			LS75M11D11	1SBV 01 5111 R1411	0.270	
		1		LS75M11C11	1SBV 01 5111 R1511	0.270	
			1	LS75M11L02	1SBV 01 5111 R1302	0.270	
			1	LS75M11L20	1SBV 01 5111 R1320	0.270	
				1	LS75M11B02	1SBV 01 5111 R1202	0.270

#### ø11 steel roller plunger (zinc-plated)

1				LS72M12B11	1SBV 01 4312 R1211	0.280	
	1			LS72M12D11	1SBV 01 4312 R1411	0.280	
		1		LS72M12C11	1SBV 01 4312 R1511	0.280	
			1	LS72M12L02	1SBV 01 4312 R1302	0.280	
			1	LS72M12L20	1SBV 01 4312 R1320	0.280	
				1	LS72M12B02	1SBV 01 4312 R1202	0.280
1				LS73M12B11	1SBV 01 5212 R1211	0.280	
	1			LS73M12D11	1SBV 01 5212 R1411	0.280	
		1		LS73M12C11	1SBV 01 5212 R1511	0.280	
			1	LS73M12L02	1SBV 01 5212 R1302	0.280	
			1	LS73M12L20	1SBV 01 5212 R1320	0.280	
				1	LS73M12B02	1SBV 01 5212 R1202	0.280
1				LS75M12B11	1SBV 01 5112 R1211	0.280	
	1			LS75M12D11	1SBV 01 5112 R1411	0.280	
		1		LS75M12C11	1SBV 01 5112 R1511	0.280	
			1	LS75M12L02	1SBV 01 5112 R1302	0.280	
			1	LS75M12L20	1SBV 01 5112 R1320	0.280	
				1	LS75M12B02	1SBV 01 5112 R1202	0.280

#### ø11 plastic (polyacetal) roller plunger

1				LS72M13B11	1SBV 01 4313 R1211	0.275	
	1			LS72M13D11	1SBV 01 4313 R1411	0.275	
		1		LS72M13C11	1SBV 01 4313 R1511	0.275	
			1	LS72M13L02	1SBV 01 4313 R1302	0.275	
			1	LS72M13L20	1SBV 01 4313 R1320	0.275	
				1	LS72M13B02	1SBV 01 4313 R1202	0.275
1				LS73M13B11	1SBV 01 5213 R1211	0.275	
	1			LS73M13D11	1SBV 01 5213 R1411	0.275	
		1		LS73M13C11	1SBV 01 5213 R1511	0.275	
			1	LS73M13L02	1SBV 01 5213 R1302	0.275	
			1	LS73M13L20	1SBV 01 5213 R1320	0.275	
				1	LS73M13B02	1SBV 01 5213 R1202	0.275
1				LS75M13B11	1SBV 01 5113 R1211	0.275	
	1			LS75M13D11	1SBV 01 5113 R1411	0.275	
		1		LS75M13C11	1SBV 01 5113 R1511	0.275	
			1	LS75M13L02	1SBV 01 5113 R1302	0.275	
			1	LS75M13L20	1SBV 01 5113 R1320	0.275	
				1	LS75M13B02	1SBV 01 5113 R1202	0.275

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LS72M11B11



LS72M12B11










LS72M13B11

# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks	Type	Order code	Unit weight kg
 <b>B11</b>			Packing 1 piece
 <b>D11</b>			
 <b>C11</b>			
 <b>L02</b>			
 <b>L20</b>			
 <b>B02</b>			

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1				LS72M31B11	1SBV 01 4331 R1211	0.265
	1			LS72M31D11	1SBV 01 4331 R1411	0.265
		1		LS72M31C11	1SBV 01 4331 R1511	0.265
			1	LS72M31L02	1SBV 01 4331 R1302	0.265
				LS72M31L20	1SBV 01 4331 R1320	0.265
				LS72M31B02	1SBV 01 4331 R1202	0.265
1				LS73M31B11	1SBV 01 5231 R1211	0.265
	1			LS73M31D11	1SBV 01 5231 R1411	0.265
		1		LS73M31C11	1SBV 01 5231 R1511	0.265
			1	LS73M31L02	1SBV 01 5231 R1302	0.265
				LS73M31L20	1SBV 01 5231 R1320	0.265
				LS73M31B02	1SBV 01 5231 R1202	0.265
1				LS75M31B11	1SBV 01 5131 R1211	0.265
	1			LS75M31D11	1SBV 01 5131 R1411	0.265
		1		LS75M31C11	1SBV 01 5131 R1511	0.265
			1	LS75M31L02	1SBV 01 5131 R1302	0.265
				LS75M31L20	1SBV 01 5131 R1320	0.265
				LS75M31B02	1SBV 01 5131 R1202	0.265

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated) with dust protection cup

1				LS72M35B11	1SBV 01 4335 R1211	0.265
	1			LS72M35D11	1SBV 01 4335 R1411	0.265
		1		LS72M35C11	1SBV 01 4335 R1511	0.265
			1	LS72M35L02	1SBV 01 4335 R1302	0.265
				LS72M35L20	1SBV 01 4335 R1320	0.265
				LS72M35B02	1SBV 01 4335 R1202	0.265
1				LS73M35B11	1SBV 01 5235 R1211	0.265
	1			LS73M35D11	1SBV 01 5235 R1411	0.265
		1		LS73M35C11	1SBV 01 5235 R1511	0.265
			1	LS73M35L02	1SBV 01 5235 R1302	0.265
				LS73M35L20	1SBV 01 5235 R1320	0.265
				LS73M35B02	1SBV 01 5235 R1202	0.265
1				LS75M35B11	1SBV 01 5135 R1211	0.265
	1			LS75M35D11	1SBV 01 5135 R1411	0.265
		1		LS75M35C11	1SBV 01 5135 R1511	0.265
			1	LS75M35L02	1SBV 01 5135 R1302	0.265
				LS75M35L20	1SBV 01 5135 R1320	0.265
				LS75M35B02	1SBV 01 5135 R1202	0.265

#### Adjustable ø22 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1				LS72M38B11	1SBV 01 4338 R1211	0.270
	1			LS72M38D11	1SBV 01 4338 R1411	0.270
		1		LS72M38C11	1SBV 01 4338 R1511	0.270
			1	LS72M38L02	1SBV 01 4338 R1302	0.270
				LS72M38L20	1SBV 01 4338 R1320	0.270
				LS72M38B02	1SBV 01 4338 R1202	0.270
1				LS73M38B11	1SBV 01 5238 R1211	0.270
	1			LS73M38D11	1SBV 01 5238 R1411	0.270
		1		LS73M38C11	1SBV 01 5238 R1511	0.270
			1	LS73M38L02	1SBV 01 5238 R1302	0.270
				LS73M38L20	1SBV 01 5238 R1320	0.270
				LS73M38B02	1SBV 01 5238 R1202	0.270
1				LS75M38B11	1SBV 01 5138 R1211	0.270
	1			LS75M38D11	1SBV 01 5138 R1411	0.270
		1		LS75M38C11	1SBV 01 5138 R1511	0.270
			1	LS75M38L02	1SBV 01 5138 R1302	0.270
				LS75M38L20	1SBV 01 5138 R1320	0.270
				LS75M38B02	1SBV 01 5138 R1202	0.270

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# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece

#### ø18 plastic (polyacetal) roller lever

1						LS72M41B11	1SBV 01 4341 R1211	0.320
	1					LS72M41D11	1SBV 01 4341 R1411	0.320
		1				LS72M41C11	1SBV 01 4341 R1511	0.320
			1			LS72M41L02	1SBV 01 4341 R1302	0.320
				1		LS72M41L20	1SBV 01 4341 R1320	0.320
					1	LS72M41B02	1SBV 01 4341 R1202	0.320
1						LS73M41B11	1SBV 01 5241 R1211	0.320
	1					LS73M41D11	1SBV 01 5241 R1411	0.320
		1				LS73M41C11	1SBV 01 5241 R1511	0.320
			1			LS73M41L02	1SBV 01 5241 R1302	0.320
				1		LS73M41L20	1SBV 01 5241 R1320	0.320
					1	LS73M41B02	1SBV 01 5241 R1202	0.320
1						LS75M41B11	1SBV 01 5141 R1211	0.320
	1					LS75M41D11	1SBV 01 5141 R1411	0.320
		1				LS75M41C11	1SBV 01 5141 R1511	0.320
			1			LS75M41L02	1SBV 01 5141 R1302	0.320
				1		LS75M41L20	1SBV 01 5141 R1320	0.320
					1	LS75M41B02	1SBV 01 5141 R1202	0.320

#### ø50 rubber roller lever

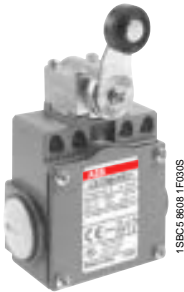
1						LS72M42B11	1SBV 01 4342 R1211	0.345
	1					LS72M42D11	1SBV 01 4342 R1411	0.345
		1				LS72M42C11	1SBV 01 4342 R1511	0.345
			1			LS72M42L02	1SBV 01 4342 R1302	0.345
				1		LS72M42L20	1SBV 01 4342 R1320	0.345
					1	LS72M42B02	1SBV 01 4342 R1202	0.345
1						LS73M42B11	1SBV 01 5242 R1211	0.345
	1					LS73M42D11	1SBV 01 5242 R1411	0.345
		1				LS73M42C11	1SBV 01 5242 R1511	0.345
			1			LS73M42L02	1SBV 01 5242 R1302	0.345
				1		LS73M42L20	1SBV 01 5242 R1320	0.345
					1	LS73M42B02	1SBV 01 5242 R1202	0.345
1						LS75M42B11	1SBV 01 5142 R1211	0.345
	1					LS75M42D11	1SBV 01 5142 R1411	0.345
		1				LS75M42C11	1SBV 01 5142 R1511	0.345
			1			LS75M42L02	1SBV 01 5142 R1302	0.345
				1		LS75M42L20	1SBV 01 5142 R1320	0.345
					1	LS75M42B02	1SBV 01 5142 R1202	0.345

#### ø18 steel roller lever (zinc-plated)

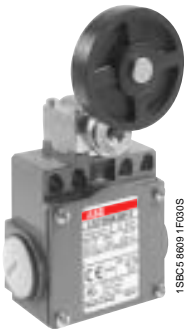
1						LS72M43B11	1SBV 01 4343 R1211	0.325
	1					LS72M43D11	1SBV 01 4343 R1411	0.325
		1				LS72M43C11	1SBV 01 4343 R1511	0.325
			1			LS72M43L02	1SBV 01 4343 R1302	0.325
				1		LS72M43L20	1SBV 01 4343 R1320	0.325
					1	LS72M43B02	1SBV 01 4343 R1202	0.325
1						LS73M43B11	1SBV 01 5243 R1211	0.325
	1					LS73M43D11	1SBV 01 5243 R1411	0.325
		1				LS73M43C11	1SBV 01 5243 R1511	0.325
			1			LS73M43L02	1SBV 01 5243 R1302	0.325
				1		LS73M43L20	1SBV 01 5243 R1320	0.325
					1	LS73M43B02	1SBV 01 5243 R1202	0.325
1						LS75M43B11	1SBV 01 5143 R1211	0.325
	1					LS75M43D11	1SBV 01 5143 R1411	0.325
		1				LS75M43C11	1SBV 01 5143 R1511	0.325
			1			LS75M43L02	1SBV 01 5143 R1302	0.325
				1		LS75M43L20	1SBV 01 5143 R1320	0.325
					1	LS75M43B02	1SBV 01 5143 R1202	0.325

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LS72M41B11



LS72M42B11



LS72M43B11



# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### ø18 plastic (polyacetal) roller with bent lever

1						LS72M45B11	1SBV 01 4345 R1211	0.335
	1					LS72M45D11	1SBV 01 4345 R1411	0.335
		1				LS72M45C11	1SBV 01 4345 R1511	0.335
			1			LS72M45L02	1SBV 01 4345 R1302	0.335
				1		LS72M45L20	1SBV 01 4345 R1320	0.335
					1	LS72M45B02	1SBV 01 4345 R1202	0.335
1						LS73M45B11	1SBV 01 5245 R1211	0.335
	1					LS73M45D11	1SBV 01 5245 R1411	0.335
		1				LS73M45C11	1SBV 01 5245 R1511	0.335
			1			LS73M45L02	1SBV 01 5245 R1302	0.335
				1		LS73M45L20	1SBV 01 5245 R1320	0.335
					1	LS73M45B02	1SBV 01 5245 R1202	0.335
1						LS75M45B11	1SBV 01 5145 R1211	0.335
	1					LS75M45D11	1SBV 01 5145 R1411	0.335
		1				LS75M45C11	1SBV 01 5145 R1511	0.335
			1			LS75M45L02	1SBV 01 5145 R1302	0.335
				1		LS75M45L20	1SBV 01 5145 R1320	0.335
					1	LS75M45B02	1SBV 01 5145 R1202	0.335

#### ø18 steel roller (zinc-plated) with bent lever

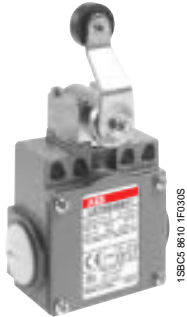
1						LS72M46B11	1SBV 01 4346 R1211	0.340
	1					LS72M46D11	1SBV 01 4346 R1411	0.340
		1				LS72M46C11	1SBV 01 4346 R1511	0.340
			1			LS72M46L02	1SBV 01 4346 R1302	0.340
				1		LS72M46L20	1SBV 01 4346 R1320	0.340
					1	LS72M46B02	1SBV 01 4346 R1202	0.340
1						LS73M46B11	1SBV 01 5246 R1211	0.340
	1					LS73M46D11	1SBV 01 5246 R1411	0.340
		1				LS73M46C11	1SBV 01 5246 R1511	0.340
			1			LS73M46L02	1SBV 01 5246 R1302	0.340
				1		LS73M46L20	1SBV 01 5246 R1320	0.340
					1	LS73M46B02	1SBV 01 5246 R1202	0.340
1						LS75M46B11	1SBV 01 5146 R1211	0.340
	1					LS75M46D11	1SBV 01 5146 R1411	0.340
		1				LS75M46C11	1SBV 01 5146 R1511	0.340
			1			LS75M46L02	1SBV 01 5146 R1302	0.340
				1		LS75M46L20	1SBV 01 5146 R1320	0.340
					1	LS75M46B02	1SBV 01 5146 R1202	0.340

#### Adjustable ø18 plastic (polyacetal) roller lever

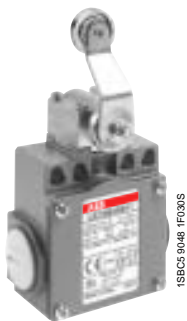
1						LS72M51B11	1SBV 01 4351 R1211	0.335
	1					LS72M51D11	1SBV 01 4351 R1411	0.335
		1				LS72M51C11	1SBV 01 4351 R1511	0.335
			1			LS72M51L02	1SBV 01 4351 R1302	0.335
				1		LS72M51L20	1SBV 01 4351 R1320	0.335
					1	LS72M51B02	1SBV 01 4351 R1202	0.335
1						LS73M51B11	1SBV 01 5251 R1211	0.335
	1					LS73M51D11	1SBV 01 5251 R1411	0.335
		1				LS73M51C11	1SBV 01 5251 R1511	0.335
			1			LS73M51L02	1SBV 01 5251 R1302	0.335
				1		LS73M51L20	1SBV 01 5251 R1320	0.335
					1	LS73M51B02	1SBV 01 5251 R1202	0.335
1						LS75M51B11	1SBV 01 5151 R1211	0.335
	1					LS75M51D11	1SBV 01 5151 R1411	0.335
		1				LS75M51C11	1SBV 01 5151 R1511	0.335
			1			LS75M51L02	1SBV 01 5151 R1302	0.335
				1		LS75M51L20	1SBV 01 5151 R1320	0.335
					1	LS75M51B02	1SBV 01 5151 R1202	0.335

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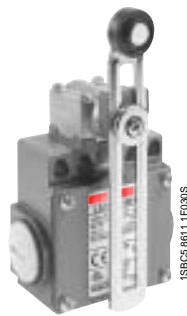
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LS72M45B11



LS72M46B11



LS72M51B11

# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
								Packing 1 piece
<b>B11</b>	<b>D11</b>	<b>C11</b>	<b>L02</b>	<b>L20</b>	<b>B02</b>			

#### Adjustable ø50 rubber roller lever

1						LS72M52B11	1SBV 01 4352 R1211	0.355
	1					LS72M52D11	1SBV 01 4352 R1411	0.355
		1				LS72M52C11	1SBV 01 4352 R1511	0.355
			1			LS72M52L02	1SBV 01 4352 R1302	0.355
				1		LS72M52L20	1SBV 01 4352 R1320	0.355
					1	LS72M52B02	1SBV 01 4352 R1202	0.355
1						LS73M52B11	1SBV 01 5252 R1211	0.355
	1					LS73M52D11	1SBV 01 5252 R1411	0.355
		1				LS73M52C11	1SBV 01 5252 R1511	0.355
			1			LS73M52L02	1SBV 01 5252 R1302	0.355
				1		LS73M52L20	1SBV 01 5252 R1320	0.355
					1	LS73M52B02	1SBV 01 5252 R1202	0.355
1						LS75M52B11	1SBV 01 5152 R1211	0.355
	1					LS75M52D11	1SBV 01 5152 R1411	0.355
		1				LS75M52C11	1SBV 01 5152 R1511	0.355
			1			LS75M52L02	1SBV 01 5152 R1302	0.355
				1		LS75M52L20	1SBV 01 5152 R1320	0.355
					1	LS75M52B02	1SBV 01 5152 R1202	0.355

#### Adjustable ø18 steel roller lever (zinc-plated)

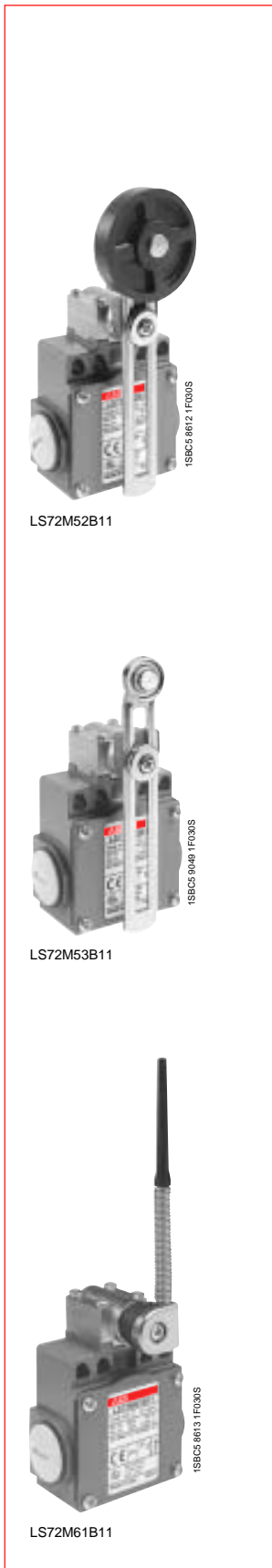
1						LS72M53B11	1SBV 01 4353 R1211	0.340
	1					LS72M53D11	1SBV 01 4353 R1411	0.340
		1				LS72M53C11	1SBV 01 4353 R1511	0.340
			1			LS72M53L02	1SBV 01 4353 R1302	0.340
				1		LS72M53L20	1SBV 01 4353 R1320	0.340
					1	LS72M53B02	1SBV 01 4353 R1202	0.340
1						LS73M53B11	1SBV 01 5253 R1211	0.340
	1					LS73M53D11	1SBV 01 5253 R1411	0.340
		1				LS73M53C11	1SBV 01 5253 R1511	0.340
			1			LS73M53L02	1SBV 01 5253 R1302	0.340
				1		LS73M53L20	1SBV 01 5253 R1320	0.340
					1	LS73M53B02	1SBV 01 5253 R1202	0.340
1						LS75M53B11	1SBV 01 5153 R1211	0.340
	1					LS75M53D11	1SBV 01 5153 R1411	0.340
		1				LS75M53C11	1SBV 01 5153 R1511	0.340
			1			LS75M53L02	1SBV 01 5153 R1302	0.340
				1		LS75M53L20	1SBV 01 5153 R1320	0.340
					1	LS75M53B02	1SBV 01 5153 R1202	0.340

#### Flexible lever with insulated end

1						LS72M61B11	1SBV 01 4361 R1211	0.375
	1					LS72M61D11	1SBV 01 4361 R1411	0.375
		1				LS72M61C11	1SBV 01 4361 R1511	0.375
			1			LS72M61L02	1SBV 01 4361 R1302	0.375
				1		LS72M61L20	1SBV 01 4361 R1320	0.375
					1	LS72M61B02	1SBV 01 4361 R1202	0.375
1						LS73M61B11	1SBV 01 5261 R1211	0.375
	1					LS73M61D11	1SBV 01 5261 R1411	0.375
		1				LS73M61C11	1SBV 01 5261 R1511	0.375
			1			LS73M61L02	1SBV 01 5261 R1302	0.375
				1		LS73M61L20	1SBV 01 5261 R1320	0.375
					1	LS73M61B02	1SBV 01 5261 R1202	0.375
1						LS75M61B11	1SBV 01 5161 R1211	0.375
	1					LS75M61D11	1SBV 01 5161 R1411	0.375
		1				LS75M61C11	1SBV 01 5161 R1511	0.375
			1			LS75M61L02	1SBV 01 5161 R1302	0.375
				1		LS75M61L20	1SBV 01 5161 R1320	0.375
					1	LS75M61B02	1SBV 01 5161 R1202	0.375

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# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### Coil spring lever

1						LS72M62B11	1SBV 01 4362 R1211	0.380
	1					LS72M62D11	1SBV 01 4362 R1411	0.380
		1				LS72M62C11	1SBV 01 4362 R1511	0.380
			1			LS72M62L02	1SBV 01 4362 R1302	0.380
				1		LS72M62L20	1SBV 01 4362 R1320	0.380
					1	LS72M62B02	1SBV 01 4362 R1202	0.380
1						LS73M62B11	1SBV 01 5262 R1211	0.380
	1					LS73M62D11	1SBV 01 5262 R1411	0.380
		1				LS73M62C11	1SBV 01 5262 R1511	0.380
			1			LS73M62L02	1SBV 01 5262 R1302	0.380
				1		LS73M62L20	1SBV 01 5262 R1320	0.380
					1	LS73M62B02	1SBV 01 5262 R1202	0.380
1						LS75M62B11	1SBV 01 5162 R1211	0.380
	1					LS75M62D11	1SBV 01 5162 R1411	0.380
		1				LS75M62C11	1SBV 01 5162 R1511	0.380
			1			LS75M62L02	1SBV 01 5162 R1302	0.380
				1		LS75M62L20	1SBV 01 5162 R1320	0.380
					1	LS75M62B02	1SBV 01 5162 R1202	0.380

#### Adjustable ø3 stainless steel rod lever

1						LS72M71B11	1SBV 01 4371 R1211	0.380
	1					LS72M71D11	1SBV 01 4371 R1411	0.380
		1				LS72M71C11	1SBV 01 4371 R1511	0.380
			1			LS72M71L02	1SBV 01 4371 R1302	0.380
				1		LS72M71L20	1SBV 01 4371 R1320	0.380
					1	LS72M71B02	1SBV 01 4371 R1202	0.380
1						LS73M71B11	1SBV 01 5271 R1211	0.380
	1					LS73M71D11	1SBV 01 5271 R1411	0.380
		1				LS73M71C11	1SBV 01 5271 R1511	0.380
			1			LS73M71L02	1SBV 01 5271 R1302	0.380
				1		LS73M71L20	1SBV 01 5271 R1320	0.380
					1	LS73M71B02	1SBV 01 5271 R1202	0.380
1						LS75M71B11	1SBV 01 5171 R1211	0.380
	1					LS75M71D11	1SBV 01 5171 R1411	0.380
		1				LS75M71C11	1SBV 01 5171 R1511	0.380
			1			LS75M71L02	1SBV 01 5171 R1302	0.380
				1		LS75M71L20	1SBV 01 5171 R1320	0.380
					1	LS75M71B02	1SBV 01 5171 R1202	0.380

#### Adjustable ø3 fibre-glass rod lever

1						LS72M72B11	1SBV 01 4372 R1211	0.370
	1					LS72M72D11	1SBV 01 4372 R1411	0.370
		1				LS72M72C11	1SBV 01 4372 R1511	0.370
			1			LS72M72L02	1SBV 01 4372 R1302	0.370
				1		LS72M72L20	1SBV 01 4372 R1320	0.370
					1	LS72M72B02	1SBV 01 4372 R1202	0.370
1						LS73M72B11	1SBV 01 5272 R1211	0.370
	1					LS73M72D11	1SBV 01 5272 R1411	0.370
		1				LS73M72C11	1SBV 01 5272 R1511	0.370
			1			LS73M72L02	1SBV 01 5272 R1302	0.370
				1		LS73M72L20	1SBV 01 5272 R1320	0.370
					1	LS73M72B02	1SBV 01 5272 R1202	0.370
1						LS75M72B11	1SBV 01 5172 R1211	0.370
	1					LS75M72D11	1SBV 01 5172 R1411	0.370
		1				LS75M72C11	1SBV 01 5172 R1511	0.370
			1			LS75M72L02	1SBV 01 5172 R1302	0.370
				1		LS75M72L20	1SBV 01 5172 R1320	0.370
					1	LS75M72B02	1SBV 01 5172 R1202	0.370



# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
								Packing 1 piece
<b>B11</b>	<b>D11</b>	<b>C11</b>	<b>L02</b>	<b>L20</b>	<b>B02</b>			

#### Adjustable ø6 polyamide rod lever

1						LS72M73B11	1SBV 01 4373 R1211	0.390
	1					LS72M73D11	1SBV 01 4373 R1411	0.390
		1				LS72M73C11	1SBV 01 4373 R1511	0.390
			1			LS72M73L02	1SBV 01 4373 R1302	0.390
				1		LS72M73L20	1SBV 01 4373 R1320	0.390
					1	LS72M73B02	1SBV 01 4373 R1202	0.390
1						LS73M73B11	1SBV 01 5273 R1211	0.390
	1					LS73M73D11	1SBV 01 5273 R1411	0.390
		1				LS73M73C11	1SBV 01 5273 R1511	0.390
			1			LS73M73L02	1SBV 01 5273 R1302	0.390
				1		LS73M73L20	1SBV 01 5273 R1320	0.390
					1	LS73M73B02	1SBV 01 5273 R1202	0.390
1						LS75M73B11	1SBV 01 5173 R1211	0.390
	1					LS75M73D11	1SBV 01 5173 R1411	0.390
		1				LS75M73C11	1SBV 01 5173 R1511	0.390
			1			LS75M73L02	1SBV 01 5173 R1302	0.390
				1		LS75M73L20	1SBV 01 5173 R1320	0.390
					1	LS75M73B02	1SBV 01 5173 R1202	0.390

#### Adjustable ø6 fibre-glass rod lever

1						LS72M74B11	1SBV 01 4374 R1211	0.390
	1					LS72M74D11	1SBV 01 4374 R1411	0.390
		1				LS72M74C11	1SBV 01 4374 R1511	0.390
			1			LS72M74L02	1SBV 01 4374 R1302	0.390
				1		LS72M74L20	1SBV 01 4374 R1320	0.390
					1	LS72M74B02	1SBV 01 4374 R1202	0.390
1						LS73M74B11	1SBV 01 5274 R1211	0.390
	1					LS73M74D11	1SBV 01 5274 R1411	0.390
		1				LS73M74C11	1SBV 01 5274 R1511	0.390
			1			LS73M74L02	1SBV 01 5274 R1302	0.390
				1		LS73M74L20	1SBV 01 5274 R1320	0.390
					1	LS73M74B02	1SBV 01 5274 R1202	0.390
1						LS75M74B11	1SBV 01 5174 R1211	0.390
	1					LS75M74D11	1SBV 01 5174 R1411	0.390
		1				LS75M74C11	1SBV 01 5174 R1511	0.390
			1			LS75M74L02	1SBV 01 5174 R1302	0.390
				1		LS75M74L20	1SBV 01 5174 R1320	0.390
					1	LS75M74B02	1SBV 01 5174 R1202	0.390

#### Adjustable ø3 square steel rod lever (zinc-plated)

1						LS72M78B11	1SBV 01 4378 R1211	0.375
	1					LS72M78D11	1SBV 01 4378 R1411	0.375
		1				LS72M78C11	1SBV 01 4378 R1511	0.375
			1			LS72M78L02	1SBV 01 4378 R1302	0.375
				1		LS72M78L20	1SBV 01 4378 R1320	0.375
					1	LS72M78B02	1SBV 01 4378 R1202	0.375
1						LS73M78B11	1SBV 01 5278 R1211	0.375
	1					LS73M78D11	1SBV 01 5278 R1411	0.375
		1				LS73M78C11	1SBV 01 5278 R1511	0.375
			1			LS73M78L02	1SBV 01 5278 R1302	0.375
				1		LS73M78L20	1SBV 01 5278 R1320	0.375
					1	LS73M78B02	1SBV 01 5278 R1202	0.375
1						LS75M78B11	1SBV 01 5178 R1211	0.375
	1					LS75M78D11	1SBV 01 5178 R1411	0.375
		1				LS75M78C11	1SBV 01 5178 R1511	0.375
			1			LS75M78L02	1SBV 01 5178 R1302	0.375
				1		LS75M78L20	1SBV 01 5178 R1320	0.375
					1	LS75M78B02	1SBV 01 5178 R1202	0.375

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# LS72M..., LS73M... and LS75M... Limit Switches

## Metal Casing IP66 - 60 mm Width

LS72M with 3 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73M with 3 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75M with 3 cable inlets for 1/2" NPT cable gland.

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing
								1 piece

#### Spring rod

1						LS72M91B11	1SBV 01 4391 R1211	0.315
	1					LS72M91D11	1SBV 01 4391 R1411	0.315
		1				LS72M91C11	1SBV 01 4391 R1511	0.315
			1			LS72M91L02	1SBV 01 4391 R1302	0.315
				1		LS72M91L20	1SBV 01 4391 R1320	0.315
					1	LS72M91B02	1SBV 01 4391 R1202	0.315
1						LS73M91B11	1SBV 01 5291 R1211	0.315
	1					LS73M91D11	1SBV 01 5291 R1411	0.315
		1				LS73M91C11	1SBV 01 5291 R1511	0.315
			1			LS73M91L02	1SBV 01 5291 R1302	0.315
				1		LS73M91L20	1SBV 01 5291 R1320	0.315
					1	LS73M91B02	1SBV 01 5291 R1202	0.315
1						LS75M91B11	1SBV 01 5191 R1211	0.315
	1					LS75M91D11	1SBV 01 5191 R1411	0.315
		1				LS75M91C11	1SBV 01 5191 R1511	0.315
			1			LS75M91L02	1SBV 01 5191 R1302	0.315
				1		LS75M91L20	1SBV 01 5191 R1320	0.315
					1	LS75M91B02	1SBV 01 5191 R1202	0.315

#### Flexible rod with insulated end

1						LS72M92B11	1SBV 01 4392 R1211	0.320
	1					LS72M92D11	1SBV 01 4392 R1411	0.320
		1				LS72M92C11	1SBV 01 4392 R1511	0.320
			1			LS72M92L02	1SBV 01 4392 R1302	0.320
				1		LS72M92L20	1SBV 01 4392 R1320	0.320
					1	LS72M92B02	1SBV 01 4392 R1202	0.320
1						LS73M92B11	1SBV 01 5292 R1211	0.320
	1					LS73M92D11	1SBV 01 5292 R1411	0.320
		1				LS73M92C11	1SBV 01 5292 R1511	0.320
			1			LS73M92L02	1SBV 01 5292 R1302	0.320
				1		LS73M92L20	1SBV 01 5292 R1320	0.320
					1	LS73M92B02	1SBV 01 5292 R1202	0.320
1						LS75M92B11	1SBV 01 5192 R1211	0.320
	1					LS75M92D11	1SBV 01 5192 R1411	0.320
		1				LS75M92C11	1SBV 01 5192 R1511	0.320
			1			LS75M92L02	1SBV 01 5192 R1302	0.320
				1		LS75M92L20	1SBV 01 5192 R1320	0.320
					1	LS75M92B02	1SBV 01 5192 R1202	0.320

#### Pull action with ring

1						LS72M98B11-A	1SBV 01 4398 R1211	0.350
	1					LS72M98D11-A	1SBV 01 4398 R1411	0.350
		1				LS72M98L02-A	1SBV 01 4398 R1302	0.350
			1			LS72M98L20-A	1SBV 01 4398 R1320	0.350
1						LS73M98B11-A	1SBV 01 5298 R1211	0.350
	1					LS73M98D11-A	1SBV 01 5298 R1411	0.350
		1				LS73M98L02-A	1SBV 01 5298 R1302	0.350
			1			LS73M98L20-A	1SBV 01 5298 R1320	0.350
1						LS75M98B11-A	1SBV 01 5198 R1211	0.350
	1					LS75M98D11-A	1SBV 01 5198 R1411	0.350
		1				LS75M98L02-A	1SBV 01 5198 R1302	0.350
			1			LS75M98L20-A	1SBV 01 5198 R1320	0.350








# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
								Packing 1 piece
B11	D11	C11	L02	L20	B02			

#### Plastic plain plunger (polyacetal)

1						LS72P10B11	1SBV 01 1010 R1211	0.095
	1					LS72P10D11	1SBV 01 1010 R1411	0.095
		1				LS72P10C11	1SBV 01 1010 R1511	0.095
			1			LS72P10L02	1SBV 01 1010 R1302	0.095
				1		LS72P10L20	1SBV 01 1010 R1320	0.095
					1	LS72P10B02	1SBV 01 1010 R1202	0.095
1						LS73P10B11	1SBV 01 2810 R1211	0.095
	1					LS73P10D11	1SBV 01 2810 R1411	0.095
		1				LS73P10C11	1SBV 01 2810 R1511	0.095
			1			LS73P10L02	1SBV 01 2810 R1302	0.095
				1		LS73P10L20	1SBV 01 2810 R1320	0.095
					1	LS73P10B02	1SBV 01 2810 R1202	0.095
1						LS75P10B11	1SBV 01 2710 R1211	0.102
	1					LS75P10D11	1SBV 01 2710 R1411	0.102
		1				LS75P10C11	1SBV 01 2710 R1511	0.102
			1			LS75P10L02	1SBV 01 2710 R1302	0.102
				1		LS75P10L20	1SBV 01 2710 R1320	0.102
					1	LS75P10B02	1SBV 01 2710 R1202	0.102

#### Steel plain plunger (zinc-plated)

1						LS72P11B11	1SBV 01 1011 R1211	0.100
	1					LS72P11D11	1SBV 01 1011 R1411	0.100
		1				LS72P11C11	1SBV 01 1011 R1511	0.100
			1			LS72P11L02	1SBV 01 1011 R1302	0.100
				1		LS72P11L20	1SBV 01 1011 R1320	0.100
					1	LS72P11B02	1SBV 01 1011 R1202	0.100
1						LS73P11B11	1SBV 01 2811 R1211	0.100
	1					LS73P11D11	1SBV 01 2811 R1411	0.100
		1				LS73P11C11	1SBV 01 2811 R1511	0.100
			1			LS73P11L02	1SBV 01 2811 R1302	0.100
				1		LS73P11L20	1SBV 01 2811 R1320	0.100
					1	LS73P11B02	1SBV 01 2811 R1202	0.100
1						LS75P11B11	1SBV 01 2711 R1211	0.107
	1					LS75P11D11	1SBV 01 2711 R1411	0.107
		1				LS75P11C11	1SBV 01 2711 R1511	0.107
			1			LS75P11L02	1SBV 01 2711 R1302	0.107
				1		LS75P11L20	1SBV 01 2711 R1320	0.107
					1	LS75P11B02	1SBV 01 2711 R1202	0.107

#### ø11 steel roller plunger (zinc-plated)

1						LS72P12B11	1SBV 01 1012 R1211	0.105
	1					LS72P12D11	1SBV 01 1012 R1411	0.105
		1				LS72P12C11	1SBV 01 1012 R1511	0.105
			1			LS72P12L02	1SBV 01 1012 R1302	0.105
				1		LS72P12L20	1SBV 01 1012 R1320	0.105
					1	LS72P12B02	1SBV 01 1012 R1202	0.105
1						LS73P12B11	1SBV 01 2812 R1211	0.105
	1					LS73P12D11	1SBV 01 2812 R1411	0.105
		1				LS73P12C11	1SBV 01 2812 R1511	0.105
			1			LS73P12L02	1SBV 01 2812 R1302	0.105
				1		LS73P12L20	1SBV 01 2812 R1320	0.105
					1	LS73P12B02	1SBV 01 2812 R1202	0.105
1						LS75P12B11	1SBV 01 2712 R1211	0.112
	1					LS75P12D11	1SBV 01 2712 R1411	0.112
		1				LS75P12C11	1SBV 01 2712 R1511	0.112
			1			LS75P12L02	1SBV 01 2712 R1302	0.112
				1		LS75P12L20	1SBV 01 2712 R1320	0.112
					1	LS75P12B02	1SBV 01 2712 R1202	0.112

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LS72P10B11



LS72P11B11



LS72P12B11

# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.

LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.

LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece

#### ø11 plastic (polyacetal) roller plunger

1						LS72P13B11	1SBV 01 1013 R1211	0.100
	1					LS72P13D11	1SBV 01 1013 R1411	0.100
		1				LS72P13C11	1SBV 01 1013 R1511	0.100
			1			LS72P13L02	1SBV 01 1013 R1302	0.100
				1		LS72P13L20	1SBV 01 1013 R1320	0.100
					1	LS72P13B02	1SBV 01 1013 R1202	0.100
1						LS73P13B11	1SBV 01 2813 R1211	0.100
	1					LS73P13D11	1SBV 01 2813 R1411	0.100
		1				LS73P13C11	1SBV 01 2813 R1511	0.100
			1			LS73P13L02	1SBV 01 2813 R1302	0.100
				1		LS73P13L20	1SBV 01 2813 R1320	0.100
					1	LS73P13B02	1SBV 01 2813 R1202	0.100
1						LS75P13B11	1SBV 01 2713 R1211	0.107
	1					LS75P13D11	1SBV 01 2713 R1411	0.107
		1				LS75P13C11	1SBV 01 2713 R1511	0.107
			1			LS75P13L02	1SBV 01 2713 R1302	0.107
				1		LS75P13L20	1SBV 01 2713 R1320	0.107
					1	LS75P13B02	1SBV 01 2713 R1202	0.107

#### ø12.5 plastic (polyacetal) roller lever on plastic (polyacetal) plunger

1						LS72P30B11	1SBV 01 1030 R1211	0.100
	1					LS72P30D11	1SBV 01 1030 R1411	0.100
		1				LS72P30C11	1SBV 01 1030 R1511	0.100
			1			LS72P30L02	1SBV 01 1030 R1302	0.100
				1		LS72P30L20	1SBV 01 1030 R1320	0.100
					1	LS72P30B02	1SBV 01 1030 R1202	0.100
1						LS73P30B11	1SBV 01 2830 R1211	0.100
	1					LS73P30D11	1SBV 01 2830 R1411	0.100
		1				LS73P30C11	1SBV 01 2830 R1511	0.100
			1			LS73P30L02	1SBV 01 2830 R1302	0.100
				1		LS73P30L20	1SBV 01 2830 R1320	0.100
					1	LS73P30B02	1SBV 01 2830 R1202	0.100
1						LS75P30B11	1SBV 01 2730 R1211	0.107
	1					LS75P30D11	1SBV 01 2730 R1411	0.107
		1				LS75P30C11	1SBV 01 2730 R1511	0.107
			1			LS75P30L02	1SBV 01 2730 R1302	0.107
				1		LS75P30L20	1SBV 01 2730 R1320	0.107
					1	LS75P30B02	1SBV 01 2730 R1202	0.107

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1						LS72P31B11	1SBV 01 1031 R1211	0.105
	1					LS72P31D11	1SBV 01 1031 R1411	0.105
		1				LS72P31C11	1SBV 01 1031 R1511	0.105
			1			LS72P31L02	1SBV 01 1031 R1302	0.105
				1		LS72P31L20	1SBV 01 1031 R1320	0.105
					1	LS72P31B02	1SBV 01 1031 R1202	0.105
1						LS73P31B11	1SBV 01 2831 R1211	0.105
	1					LS73P31D11	1SBV 01 2831 R1411	0.105
		1				LS73P31C11	1SBV 01 2831 R1511	0.105
			1			LS73P31L02	1SBV 01 2831 R1302	0.105
				1		LS73P31L20	1SBV 01 2831 R1320	0.105
					1	LS73P31B02	1SBV 01 2831 R1202	0.105
1						LS75P31B11	1SBV 01 2731 R1211	0.112
	1					LS75P31D11	1SBV 01 2731 R1411	0.112
		1				LS75P31C11	1SBV 01 2731 R1511	0.112
			1			LS75P31L02	1SBV 01 2731 R1302	0.112
				1		LS75P31L20	1SBV 01 2731 R1320	0.112
					1	LS75P31B02	1SBV 01 2731 R1202	0.112

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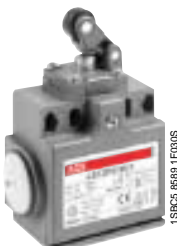
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LS72P30B11

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LS72P31B11







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# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
								
B11	D11	C11	L02	L20	B02			

#### ø12.5 plastic (polyacetal) roller lever on steel plunger (zinc-plated) with dust production cup

1						LS72P35B11	1SBV 01 1035 R1211	0.105
	1					LS72P35D11	1SBV 01 1035 R1411	0.105
		1				LS72P35C11	1SBV 01 1035 R1511	0.105
			1			LS72P35L02	1SBV 01 1035 R1302	0.105
				1		LS72P35L20	1SBV 01 1035 R1320	0.105
					1	LS72P35B02	1SBV 01 1035 R1202	0.105
1						LS73P35B11	1SBV 01 2835 R1211	0.105
	1					LS73P35D11	1SBV 01 2835 R1411	0.105
		1				LS73P35C11	1SBV 01 2835 R1511	0.105
			1			LS73P35L02	1SBV 01 2835 R1302	0.105
				1		LS73P35L20	1SBV 01 2835 R1320	0.105
					1	LS73P35B02	1SBV 01 2835 R1202	0.105
1						LS75P35B11	1SBV 01 2735 R1211	0.112
	1					LS75P35D11	1SBV 01 2735 R1411	0.112
		1				LS75P35C11	1SBV 01 2735 R1511	0.112
			1			LS75P35L02	1SBV 01 2735 R1302	0.112
				1		LS75P35L20	1SBV 01 2735 R1320	0.112
					1	LS75P35B02	1SBV 01 2735 R1202	0.112

#### Adjustable ø22 plastic (polyacetal) roller lever on steel plunger (zinc-plated)

1						LS72P38B11	1SBV 01 1038 R1211	0.110
	1					LS72P38D11	1SBV 01 1038 R1411	0.110
		1				LS72P38C11	1SBV 01 1038 R1511	0.110
			1			LS72P38L02	1SBV 01 1038 R1302	0.110
				1		LS72P38L20	1SBV 01 1038 R1320	0.110
					1	LS72P38B02	1SBV 01 1038 R1202	0.110
1						LS73P38B11	1SBV 01 2838 R1211	0.110
	1					LS73P38D11	1SBV 01 2838 R1411	0.110
		1				LS73P38C11	1SBV 01 2838 R1511	0.110
			1			LS73P38L02	1SBV 01 2838 R1302	0.110
				1		LS73P38L20	1SBV 01 2838 R1320	0.110
					1	LS73P38B02	1SBV 01 2838 R1202	0.110
1						LS75P38B11	1SBV 01 2738 R1211	0.117
	1					LS75P38D11	1SBV 01 2738 R1411	0.117
		1				LS75P38C11	1SBV 01 2738 R1511	0.117
			1			LS75P38L02	1SBV 01 2738 R1302	0.117
				1		LS75P38L20	1SBV 01 2738 R1320	0.117
					1	LS75P38B02	1SBV 01 2738 R1202	0.117

#### ø18 plastic (polyacetal) roller lever

1						LS72P41B11	1SBV 01 1041 R1211	0.125
	1					LS72P41D11	1SBV 01 1041 R1411	0.125
		1				LS72P41C11	1SBV 01 1041 R1511	0.125
			1			LS72P41L02	1SBV 01 1041 R1302	0.125
				1		LS72P41L20	1SBV 01 1041 R1320	0.125
					1	LS72P41B02	1SBV 01 1041 R1202	0.125
1						LS73P41B11	1SBV 01 2841 R1211	0.125
	1					LS73P41D11	1SBV 01 2841 R1411	0.125
		1				LS73P41C11	1SBV 01 2841 R1511	0.125
			1			LS73P41L02	1SBV 01 2841 R1302	0.125
				1		LS73P41L20	1SBV 01 2841 R1320	0.125
					1	LS73P41B02	1SBV 01 2841 R1202	0.125
1						LS75P41B11	1SBV 01 2741 R1211	0.132
	1					LS75P41D11	1SBV 01 2741 R1411	0.132
		1				LS75P41C11	1SBV 01 2741 R1511	0.132
			1			LS75P41L02	1SBV 01 2741 R1302	0.132
				1		LS75P41L20	1SBV 01 2741 R1320	0.132
					1	LS75P41B02	1SBV 01 2741 R1202	0.132

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LS72P35B11



LS72P38B11



LS72P41B11



# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.

LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.

LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece

#### ø50 rubber roller lever

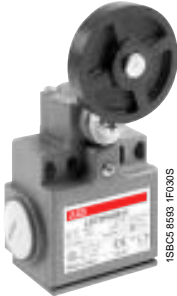
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	1					LS72P42D11	1SBV 01 1042 R1411	0.145
		1				LS72P42C11	1SBV 01 1042 R1511	0.145
			1			LS72P42L02	1SBV 01 1042 R1302	0.145
				1		LS72P42L20	1SBV 01 1042 R1320	0.145
					1	LS72P42B02	1SBV 01 1042 R1202	0.145
1						LS73P42B11	1SBV 01 2842 R1211	0.145
	1					LS73P42D11	1SBV 01 2842 R1411	0.145
		1				LS73P42C11	1SBV 01 2842 R1511	0.145
			1			LS73P42L02	1SBV 01 2842 R1302	0.145
				1		LS73P42L20	1SBV 01 2842 R1320	0.145
					1	LS73P42B02	1SBV 01 2842 R1202	0.145
1						LS75P42B11	1SBV 01 2742 R1211	0.152
	1					LS75P42D11	1SBV 01 2742 R1411	0.152
		1				LS75P42C11	1SBV 01 2742 R1511	0.152
			1			LS75P42L02	1SBV 01 2742 R1302	0.152
				1		LS75P42L20	1SBV 01 2742 R1320	0.152
					1	LS75P42B02	1SBV 01 2742 R1202	0.152

#### ø18 steel roller lever (zinc-plated)

1						LS72P43B11	1SBV 01 1043 R1211	0.130
	1					LS72P43D11	1SBV 01 1043 R1411	0.130
		1				LS72P43C11	1SBV 01 1043 R1511	0.130
			1			LS72P43L02	1SBV 01 1043 R1302	0.130
				1		LS72P43L20	1SBV 01 1043 R1320	0.130
					1	LS72P43B02	1SBV 01 1043 R1202	0.130
1						LS73P43B11	1SBV 01 2843 R1211	0.130
	1					LS73P43D11	1SBV 01 2843 R1411	0.130
		1				LS73P43C11	1SBV 01 2843 R1511	0.130
			1			LS73P43L02	1SBV 01 2843 R1302	0.130
				1		LS73P43L20	1SBV 01 2843 R1320	0.130
					1	LS73P43B02	1SBV 01 2843 R1202	0.130
1						LS75P43B11	1SBV 01 2743 R1211	0.137
	1					LS75P43D11	1SBV 01 2743 R1411	0.137
		1				LS75P43C11	1SBV 01 2743 R1511	0.137
			1			LS75P43L02	1SBV 01 2743 R1302	0.137
				1		LS75P43L20	1SBV 01 2743 R1320	0.137
					1	LS75P43B02	1SBV 01 2743 R1202	0.137

#### ø18 plastic (polyacetal) roller with bent lever

1						LS72P45B11	1SBV 01 1045 R1211	0.125
	1					LS72P45D11	1SBV 01 1045 R1411	0.125
		1				LS72P45C11	1SBV 01 1045 R1511	0.125
			1			LS72P45L02	1SBV 01 1045 R1302	0.125
				1		LS72P45L20	1SBV 01 1045 R1320	0.125
					1	LS72P45B02	1SBV 01 1045 R1202	0.125
1						LS73P45B11	1SBV 01 2845 R1211	0.125
	1					LS73P45D11	1SBV 01 2845 R1411	0.125
		1				LS73P45C11	1SBV 01 2845 R1511	0.125
			1			LS73P45L02	1SBV 01 2845 R1302	0.125
				1		LS73P45L20	1SBV 01 2845 R1320	0.125
					1	LS73P45B02	1SBV 01 2845 R1202	0.125
1						LS75P45B11	1SBV 01 2745 R1211	0.132
	1					LS75P45D11	1SBV 01 2745 R1411	0.132
		1				LS75P45C11	1SBV 01 2745 R1511	0.132
			1			LS75P45L02	1SBV 01 2745 R1302	0.132
				1		LS75P45L20	1SBV 01 2745 R1320	0.132
					1	LS75P45B02	1SBV 01 2745 R1202	0.132



LS72P42B11



LS72P43B11



LS72P45B11

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# LS72P..., LS73P... and LS75P... Limit Switches







## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.

LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.

LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
								
B11	D11	C11	L02	L20	B02			

#### ø18 steel roller (zinc-plated) with bent lever

1						LS72P46B11	1SBV 01 1046 R1211	0.130
	1					LS72P46D11	1SBV 01 1046 R1411	0.130
		1				LS72P46C11	1SBV 01 1046 R1511	0.130
			1			LS72P46L02	1SBV 01 1046 R1302	0.130
				1		LS72P46L20	1SBV 01 1046 R1320	0.130
					1	LS72P46B02	1SBV 01 1046 R1202	0.130
1						LS73P46B11	1SBV 01 2846 R1211	0.130
	1					LS73P46D11	1SBV 01 2846 R1411	0.130
		1				LS73P46C11	1SBV 01 2846 R1511	0.130
			1			LS73P46L02	1SBV 01 2846 R1302	0.130
				1		LS73P46L20	1SBV 01 2846 R1320	0.130
					1	LS73P46B02	1SBV 01 2846 R1202	0.130
1						LS75P46B11	1SBV 01 2746 R1211	0.137
	1					LS75P46D11	1SBV 01 2746 R1411	0.137
		1				LS75P46C11	1SBV 01 2746 R1511	0.137
			1			LS75P46L02	1SBV 01 2746 R1302	0.137
				1		LS75P46L20	1SBV 01 2746 R1320	0.137
					1	LS75P46B02	1SBV 01 2746 R1202	0.137

#### Adjustable ø18 plastic (polyacetal) roller lever

1						LS72P51B11	1SBV 01 1051 R1211	0.135
	1					LS72P51D11	1SBV 01 1051 R1411	0.135
		1				LS72P51C11	1SBV 01 1051 R1511	0.135
			1			LS72P51L02	1SBV 01 1051 R1302	0.135
				1		LS72P51L20	1SBV 01 1051 R1320	0.135
					1	LS72P51B02	1SBV 01 1051 R1202	0.135
1						LS73P51B11	1SBV 01 2851 R1211	0.135
	1					LS73P51D11	1SBV 01 2851 R1411	0.135
		1				LS73P51C11	1SBV 01 2851 R1511	0.135
			1			LS73P51L02	1SBV 01 2851 R1302	0.135
				1		LS73P51L20	1SBV 01 2851 R1320	0.135
					1	LS73P51B02	1SBV 01 2851 R1202	0.135
1						LS75P51B11	1SBV 01 2751 R1211	0.142
	1					LS75P51D11	1SBV 01 2751 R1411	0.142
		1				LS75P51C11	1SBV 01 2751 R1511	0.142
			1			LS75P51L02	1SBV 01 2751 R1302	0.142
				1		LS75P51L20	1SBV 01 2751 R1320	0.142
					1	LS75P51B02	1SBV 01 2751 R1202	0.142

#### Adjustable ø50 rubber roller lever

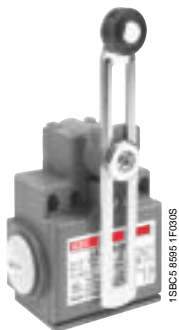
1						LS72P52B11	1SBV 01 1052 R1211	0.155
	1					LS72P52D11	1SBV 01 1052 R1411	0.155
		1				LS72P52C11	1SBV 01 1052 R1511	0.155
			1			LS72P52L02	1SBV 01 1052 R1302	0.155
				1		LS72P52L20	1SBV 01 1052 R1320	0.155
					1	LS72P52B02	1SBV 01 1052 R1202	0.155
1						LS73P52B11	1SBV 01 2852 R1211	0.155
	1					LS73P52D11	1SBV 01 2852 R1411	0.155
		1				LS73P52C11	1SBV 01 2852 R1511	0.155
			1			LS73P52L02	1SBV 01 2852 R1302	0.155
				1		LS73P52L20	1SBV 01 2852 R1320	0.155
					1	LS73P52B02	1SBV 01 2852 R1202	0.155
1						LS75P52B11	1SBV 01 2752 R1211	0.162
	1					LS75P52D11	1SBV 01 2752 R1411	0.162
		1				LS75P52C11	1SBV 01 2752 R1511	0.162
			1			LS75P52L02	1SBV 01 2752 R1302	0.162
				1		LS75P52L20	1SBV 01 2752 R1320	0.162
					1	LS75P52B02	1SBV 01 2752 R1202	0.162

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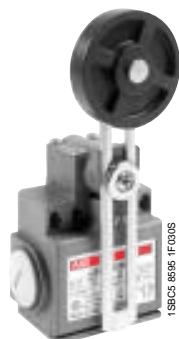
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LS72P46B11



LS72P51B11



LS72P52B11

# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.

LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.

LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece

#### Adjustable ø18 steel roller (zinc-plated) lever

1						LS72P53B11	1SBV 01 1053 R1211	0.140
	1					LS72P53D11	1SBV 01 1053 R1411	0.140
		1				LS72P53C11	1SBV 01 1053 R1511	0.140
			1			LS72P53L02	1SBV 01 1053 R1302	0.140
				1		LS72P53L20	1SBV 01 1053 R1320	0.140
					1	LS72P53B02	1SBV 01 1053 R1202	0.140
1						LS73P53B11	1SBV 01 2853 R1211	0.140
	1					LS73P53D11	1SBV 01 2853 R1411	0.140
		1				LS73P53C11	1SBV 01 2853 R1511	0.140
			1			LS73P53L02	1SBV 01 2853 R1302	0.140
				1		LS73P53L20	1SBV 01 2853 R1320	0.140
					1	LS73P53B02	1SBV 01 2853 R1202	0.140
1						LS75P53B11	1SBV 01 2753 R1211	0.147
	1					LS75P53D11	1SBV 01 2753 R1411	0.147
		1				LS75P53C11	1SBV 01 2753 R1511	0.147
			1			LS75P53L02	1SBV 01 2753 R1302	0.147
				1		LS75P53L20	1SBV 01 2753 R1320	0.147
					1	LS75P53B02	1SBV 01 2753 R1202	0.147

#### Adjustable ø3 stainless steel rod lever

1						LS72P71B11	1SBV 01 1071 R1211	0.130
	1					LS72P71D11	1SBV 01 1071 R1411	0.130
		1				LS72P71C11	1SBV 01 1071 R1511	0.130
			1			LS72P71L02	1SBV 01 1071 R1302	0.130
				1		LS72P71L20	1SBV 01 1071 R1320	0.130
					1	LS72P71B02	1SBV 01 1071 R1202	0.130
1						LS73P71B11	1SBV 01 2871 R1211	0.130
	1					LS73P71D11	1SBV 01 2871 R1411	0.130
		1				LS73P71C11	1SBV 01 2871 R1511	0.130
			1			LS73P71L02	1SBV 01 2871 R1302	0.130
				1		LS73P71L20	1SBV 01 2871 R1320	0.130
					1	LS73P71B02	1SBV 01 2871 R1202	0.130
1						LS75P71B11	1SBV 01 2771 R1211	0.137
	1					LS75P71D11	1SBV 01 2771 R1411	0.137
		1				LS75P71C11	1SBV 01 2771 R1511	0.137
			1			LS75P71L02	1SBV 01 2771 R1302	0.137
				1		LS75P71L20	1SBV 01 2771 R1320	0.137
					1	LS75P71B02	1SBV 01 2771 R1202	0.137

#### Adjustable ø3 fibre-glass rod lever

1						LS72P72B11	1SBV 01 1072 R1211	0.120
	1					LS72P72D11	1SBV 01 1072 R1411	0.120
		1				LS72P72C11	1SBV 01 1072 R1511	0.120
			1			LS72P72L02	1SBV 01 1072 R1302	0.120
				1		LS72P72L20	1SBV 01 1072 R1320	0.120
					1	LS72P72B02	1SBV 01 1072 R1202	0.120
1						LS73P72B11	1SBV 01 2872 R1211	0.120
	1					LS73P72D11	1SBV 01 2872 R1411	0.120
		1				LS73P72C11	1SBV 01 2872 R1511	0.120
			1			LS73P72L02	1SBV 01 2872 R1302	0.120
				1		LS73P72L20	1SBV 01 2872 R1320	0.120
					1	LS73P72B02	1SBV 01 2872 R1202	0.120
1						LS75P72B11	1SBV 01 2772 R1211	0.127
	1					LS75P72D11	1SBV 01 2772 R1411	0.127
		1				LS75P72C11	1SBV 01 2772 R1511	0.127
			1			LS75P72L02	1SBV 01 2772 R1302	0.127
				1		LS75P72L20	1SBV 01 2772 R1320	0.127
					1	LS75P72B02	1SBV 01 2772 R1202	0.127

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# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.  
 LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.  
 LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg Packing 1 piece
<b>B11</b>	<b>D11</b>	<b>C11</b>	<b>L02</b>	<b>L20</b>	<b>B02</b>			

#### Adjustable ø6 polyamide rod lever

1						LS72P73B11	1SBV 01 1073 R1211	0.145
	1					LS72P73D11	1SBV 01 1073 R1411	0.145
		1				LS72P73C11	1SBV 01 1073 R1511	0.145
			1			LS72P73L02	1SBV 01 1073 R1302	0.145
				1		LS72P73L20	1SBV 01 1073 R1320	0.145
					1	LS72P73B02	1SBV 01 1073 R1202	0.145
1						LS73P73B11	1SBV 01 2873 R1211	0.145
	1					LS73P73D11	1SBV 01 2873 R1411	0.145
		1				LS73P73C11	1SBV 01 2873 R1511	0.145
			1			LS73P73L02	1SBV 01 2873 R1302	0.145
				1		LS73P73L20	1SBV 01 2873 R1320	0.145
					1	LS73P73B02	1SBV 01 2873 R1202	0.145
1						LS75P73B11	1SBV 01 2773 R1211	0.152
	1					LS75P73D11	1SBV 01 2773 R1411	0.152
		1				LS75P73C11	1SBV 01 2773 R1511	0.152
			1			LS75P73L02	1SBV 01 2773 R1302	0.152
				1		LS75P73L20	1SBV 01 2773 R1320	0.152
					1	LS75P73B02	1SBV 01 2773 R1202	0.152

#### Adjustable ø6 fibre-glass rod lever

1						LS72P74B11	1SBV 01 1074 R1211	0.145
	1					LS72P74D11	1SBV 01 1074 R1411	0.145
		1				LS72P74C11	1SBV 01 1074 R1511	0.145
			1			LS72P74L02	1SBV 01 1074 R1302	0.145
				1		LS72P74L20	1SBV 01 1074 R1320	0.145
					1	LS72P74B02	1SBV 01 1074 R1202	0.145
1						LS73P74B11	1SBV 01 2874 R1211	0.145
	1					LS73P74D11	1SBV 01 2874 R1411	0.145
		1				LS73P74C11	1SBV 01 2874 R1511	0.145
			1			LS73P74L02	1SBV 01 2874 R1302	0.145
				1		LS73P74L20	1SBV 01 2874 R1320	0.145
					1	LS73P74B02	1SBV 01 2874 R1202	0.145
1						LS75P74B11	1SBV 01 2774 R1211	0.152
	1					LS75P74D11	1SBV 01 2774 R1411	0.152
		1				LS75P74C11	1SBV 01 2774 R1511	0.152
			1			LS75P74L02	1SBV 01 2774 R1302	0.152
				1		LS75P74L20	1SBV 01 2774 R1320	0.152
					1	LS75P74B02	1SBV 01 2774 R1202	0.152

#### Adjustable ø 3 square steel rod lever (zinc-plated)

1						LS72P78B11	1SBV 01 1078 R1211	0.125
	1					LS72P78D11	1SBV 01 1078 R1411	0.125
		1				LS72P78C11	1SBV 01 1078 R1511	0.125
			1			LS72P78L02	1SBV 01 1078 R1302	0.125
				1		LS72P78L20	1SBV 01 1078 R1320	0.125
					1	LS72P78B02	1SBV 01 1078 R1202	0.125
1						LS73P78B11	1SBV 01 2878 R1211	0.125
	1					LS73P78D11	1SBV 01 2878 R1411	0.125
		1				LS73P78C11	1SBV 01 2878 R1511	0.125
			1			LS73P78L02	1SBV 01 2878 R1302	0.125
				1		LS73P78L20	1SBV 01 2878 R1320	0.125
					1	LS73P78B02	1SBV 01 2878 R1202	0.125
1						LS75P78B11	1SBV 01 2778 R1211	0.132
	1					LS75P78D11	1SBV 01 2778 R1411	0.132
		1				LS75P78C11	1SBV 01 2778 R1511	0.132
			1			LS75P78L02	1SBV 01 2778 R1302	0.132
				1		LS75P78L20	1SBV 01 2778 R1320	0.132
					1	LS75P78B02	1SBV 01 2778 R1202	0.132

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# LS72P..., LS73P... and LS75P... Limit Switches

## Double Insulation - Plastic Casing IP65 - 60 mm Width

LS72P with 2 cable inlets M16 x 1.5 for ISO 16 cable gland.

LS73P with 2 cable inlets M20 x 1.5 for ISO 20 cable gland.

LS75P with 1 cable inlet by 1/2" NPT plastic adaptor + 1 cable inlet Pg11 for additional 1/2" NPT plastic adaptor (on request).

### Ordering Details

Contact blocks						Type	Order code	Unit weight kg
B11	D11	C11	L02	L20	B02			Packing 1 piece

#### Spring rod

1						LS72P91B11	1SBV 01 1091 R1211	0.110
	1					LS72P91D11	1SBV 01 1091 R1411	0.110
		1				LS72P91C11	1SBV 01 1091 R1511	0.110
			1			LS72P91L02	1SBV 01 1091 R1302	0.110
				1		LS72P91L20	1SBV 01 1091 R1320	0.110
					1	LS72P91B02	1SBV 01 1091 R1202	0.110
1						LS73P91B11	1SBV 01 2891 R1211	0.110
	1					LS73P91D11	1SBV 01 2891 R1411	0.110
		1				LS73P91C11	1SBV 01 2891 R1511	0.110
			1			LS73P91L02	1SBV 01 2891 R1302	0.110
				1		LS73P91L20	1SBV 01 2891 R1320	0.110
					1	LS73P91B02	1SBV 01 2891 R1202	0.110
1						LS75P91B11	1SBV 01 2791 R1211	0.117
	1					LS75P91D11	1SBV 01 2791 R1411	0.117
		1				LS75P91C11	1SBV 01 2791 R1511	0.117
			1			LS75P91L02	1SBV 01 2791 R1302	0.117
				1		LS75P91L20	1SBV 01 2791 R1320	0.117
					1	LS75P91B02	1SBV 01 2791 R1202	0.117

#### Flexible rod with insulated end

1						LS72P92B11	1SBV 01 1092 R1211	0.115
	1					LS72P92D11	1SBV 01 1092 R1411	0.115
		1				LS72P92C11	1SBV 01 1092 R1511	0.115
			1			LS72P92L02	1SBV 01 1092 R1302	0.115
				1		LS72P92L20	1SBV 01 1092 R1320	0.115
					1	LS72P92B02	1SBV 01 1092 R1202	0.115
1						LS73P92B11	1SBV 01 2892 R1211	0.115
	1					LS73P92D11	1SBV 01 2892 R1411	0.115
		1				LS73P92C11	1SBV 01 2892 R1511	0.115
			1			LS73P92L02	1SBV 01 2892 R1302	0.115
				1		LS73P92L20	1SBV 01 2892 R1320	0.115
					1	LS73P92B02	1SBV 01 2892 R1202	0.115
1						LS75P92B11	1SBV 01 2792 R1211	0.122
	1					LS75P92D11	1SBV 01 2792 R1411	0.122
		1				LS75P92C11	1SBV 01 2792 R1511	0.122
			1			LS75P92L02	1SBV 01 2792 R1302	0.122
				1		LS75P92L20	1SBV 01 2792 R1320	0.122
					1	LS75P92B02	1SBV 01 2792 R1202	0.122

#### Pull action with ring

1						LS72P98B11-A	1SBV 01 1098 R1211	0.145
	1					LS72P98D11-A	1SBV 01 1098 R1411	0.145
			1			LS72P98L02-A	1SBV 01 1098 R1302	0.145
				1		LS72P98L20-A	1SBV 01 1098 R1320	0.145
1						LS73P98B11-A	1SBV 01 2898 R1211	0.145
	1					LS73P98D11-A	1SBV 01 2898 R1411	0.145
			1			LS73P98L02-A	1SBV 01 2898 R1302	0.145
				1		LS73P98L20-A	1SBV 01 2898 R1320	0.145
1						LS75P98B11-A	1SBV 01 2798 R1211	0.152
	1					LS75P98D11-A	1SBV 01 2798 R1411	0.152
			1			LS75P98L02-A	1SBV 01 2798 R1302	0.152
				1		LS75P98L20-A	1SBV 01 2798 R1320	0.152



LS72P91B11

LS72P92B11

LS72P98B11-A

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# Limit Switches

## Plastic and Metal Casings

### Accessories

\*1 piece: minimum order 10 pieces  
 10 pieces: 1 packet  
 50 pieces: 1 packet



### Ordering Details

	Type	Order code	Packing pieces	Weight kg 1 packet
<b>Extension piece for angular motion head</b>				
For non-adjustable rollers levers (P40...49 and M40...49)	LSA70X-9004	1SBV 04 8600 R9004	1*	0.007
	LSA70X-9004	1SBV 04 8600 T9004	10	0.050
	LSA70X-9004	1SBV 04 8600 W9004	50	0.210
for flexible or adjustable levers (P50...79 and M41...79)	LSA70X-9005	1SBV 04 8600 R9005	1*	0.007
	LSA70X-9005	1SBV 04 8600 T9005	10	0.050
	LSA70X-9005	1SBV 04 8600 W9005	50	0.210
<b>Cable glands</b>				
Pg11 plastic cable gland IP68	LSR1101	1SBV 04 7500 R1101	1*	0.010
	LSR1101	1SBV 04 7500 T1101	10	0.090
	LSR1101	1SBV 04 7500 W1101	50	0.410
Pg13.5 plastic cable gland IP68	LSR1102	1SBV 04 7500 R1102	1*	0.015
	LSR1102	1SBV 04 7500 T1102	10	0.110
	LSR1102	1SBV 04 7500 W1102	50	0.510
ISO 16 plastic cable gland IP68	LSR1103	1SBV 04 7500 R1103	1*	0.010
	LSR1103	1SBV 04 7500 T1103	10	0.090
	LSR1103	1SBV 04 7500 W1103	50	0.410
ISO 20 plastic cable gland IP68	LSR1104	1SBV 04 7500 R1104	1*	0.015
	LSR1104	1SBV 04 7500 T1104	10	0.110
	LSR1104	1SBV 04 7500 W1104	50	0.510
<b>Blanking plugs</b>				
Pg11 plastic blanking plug IP66	LSR1801	1SBV 04 7500 R1801	1*	0.007
	LSR1801	1SBV 04 7500 T1801	10	0.050
	LSR1801	1SBV 04 7500 W1801	50	0.210
Pg13.5 plastic blanking plug IP66	LSR1802	1SBV 04 7500 R1802	1*	0.007
	LSR1802	1SBV 04 7500 T1802	10	0.050
	LSR1802	1SBV 04 7500 W1802	50	0.210
ISO16 plastic blanking plug IP66	LSR1803	1SBV 04 7500 R1803	1*	0.007
	LSR1803	1SBV 04 7500 T1803	10	0.050
	LSR1803	1SBV 04 7500 W1803	50	0.210
ISO20 plastic blanking plug IP66	LSR1804	1SBV 04 7500 R1804	1*	0.007
	LSR1804	1SBV 04 7500 T1804	10	0.050
	LSR1804	1SBV 04 7500 W1804	50	0.210
1/2"NPT plastic blanking plug IP66	LSR1805	1SBV 04 7500 R1805	1*	0.007
	LSR1805	1SBV 04 7500 T1805	10	0.050
	LSR1805	1SBV 04 7500 W1805	50	0.210
<b>Thread Adaptors (male/female)</b>				
Plastic thread adaptor Pg11 to 1/2"NPT	LSR1305	1SBV 04 7500 R1305	1*	0.007
	LSR1305	1SBV 04 7500 T1305	10	0.070
	LSR1305	1SBV 04 7500 W1305	50	0.350
Brass thread adaptor 1/2"NPT to 1/2"NPT	LSR1605	1SBV 04 7500 R1605	1*	0.035
	LSR1605	1SBV 04 7500 T1605	10	0.350
	LSR1605	1SBV 04 7500 W1605	50	1.750

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## Classification by Type

Type	Order Code	Page	Type	Order Code	Page	Type	Order Code	Page
LS75P72L02	1SBV 01 2772 R1302	73						
LS75P72L20	1SBV 01 2772 R1320	73						
<b>LS75P73</b>								
LS75P73B02	1SBV 01 2773 R1202	74						
LS75P73B11	1SBV 01 2773 R1211	74						
LS75P73C11	1SBV 01 2773 R1511	74						
LS75P73D11	1SBV 01 2773 R1411	74						
LS75P73L02	1SBV 01 2773 R1302	74						
LS75P73L20	1SBV 01 2773 R1320	74						
<b>LS75P74</b>								
LS75P74B02	1SBV 01 2774 R1202	74						
LS75P74B11	1SBV 01 2774 R1211	74						
LS75P74C11	1SBV 01 2774 R1511	74						
LS75P74D11	1SBV 01 2774 R1411	74						
LS75P74L02	1SBV 01 2774 R1302	74						
LS75P74L20	1SBV 01 2774 R1320	74						
<b>LS75P78</b>								
LS75P78B02	1SBV 01 2778 R1202	74						
LS75P78B11	1SBV 01 2778 R1211	74						
LS75P78C11	1SBV 01 2778 R1511	74						
LS75P78D11	1SBV 01 2778 R1411	74						
LS75P78L02	1SBV 01 2778 R1302	74						
LS75P78L20	1SBV 01 2778 R1320	74						
<b>LS75P91</b>								
LS75P91B02	1SBV 01 2791 R1202	75						
LS75P91B11	1SBV 01 2791 R1211	75						
LS75P91C11	1SBV 01 2791 R1511	75						
LS75P91D11	1SBV 01 2791 R1411	75						
LS75P91L02	1SBV 01 2791 R1302	75						
LS75P91L20	1SBV 01 2791 R1320	75						
<b>LS75P92</b>								
LS75P92B02	1SBV 01 2792 R1202	75						
LS75P92B11	1SBV 01 2792 R1211	75						
LS75P92C11	1SBV 01 2792 R1511	75						
LS75P92D11	1SBV 01 2792 R1411	75						
LS75P92L02	1SBV 01 2792 R1302	75						
LS75P92L20	1SBV 01 2792 R1320	75						
<b>LS75P98</b>								
LS75P98B11-A	1SBV 01 2798 R1211	75						
LS75P98D11-A	1SBV 01 2798 R1411	75						
LS75P98L02-A	1SBV 01 2798 R1302	75						
LS75P98L20-A	1SBV 01 2798 R1320	75						

















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