

Limit Switches - Limit Type Metal Body IP66

CARLO GAVAZZI



- High mechanical resistance
- Degree of protection IP66
- Zinc alloy (Zamack) body
- Positive Opening Operation ➔
- Minimum Actuation Force/Torque
- Minimum Force to achieve Positive Opening Operation
- Precise operating points (consistency)
- Immune to electromagnetic disturbances
- Zb type contact blocks
- Current Ith = 10A
- Rated insulation voltage Ui = 500V
- UL, CSA, CE
- Conform with IEC 947-5-1 (EN 60947-5-1)

Product Description

They are developed in order to be used for following operations:

- Presence/Absence
- Positioning and travel limit
- Objects passing/counting

Ordering Key

PS31L-PS11RT-M00

Body

Cable Gland

Contact block

Head type

Material of body and head

Options

Description of the key codes

Body

PS31L | PS 40mm (fix 30mm) 1 cable inlet for General Purpose

Cable Gland

M | M20
P | PG13.5
N | 1/2 NPT

Contact block

O11 | 1NO+1NC overlap slow(+)
S02 | 2NC snap(+)
S11 | 1NO+1NC snap(+)
T02 | 2NC slow(+)
T03 | 3NC slow(+)
T11 | 1NO+1NC slow(+)
T12 | 1NO+2NC slow(+)
T20 | 2NO slow
T21 | 2NO+1NC slow(+)
T30 | 3NO slow

Material of body and head

M | Metal Body and Metal head

Options

00 | no option

Head type

L3 | adj square (3x3) steel rod LEVER
LA | adj Ø3 rod LEVER stainless steel rod
LB | nylon actuator with stainless steel spring
LF | adj fiberglass rod LEVER Ø3
LG | adj fiberglass rod LEVER Ø6
LN | adj nylon rod LEVER
LP | multidir nylon actuator with stainless steel spring
LS | stainless steel spring multidir actuator
LW | Stainless steel spring multidir actuator (cat Whisker)
LZ | Stainless steel spring actuator
N6 | pull wire for simple stop
P0 | metal plain PLUNGER
PB | steel ball PLUNGER
PR | metal roller PLUNGER
R1 | adj LEVER with nylon roller
R2 | adj LEVER with stainless steel roller
R3 | adj LEVER with steel ball bearing
RB | one way LEVER steel ball bearing
RH | plastic roller LEVER on metal PLUNGER (left)
RK | one way LEVER stainless steel roller
RO | roller LEVER steel ball bearing
RS | metal roller LEVER
RT | nylon roller LEVER
SH | stainless steel lateral PLUNGER with horizontal roller
SP | stainless steel lateral plain PLUNGER
SV | stainless steel lateral PLUNGER with vertical roller
W0 | Ø50 rubber roller LEVER
W1 | adj LEVER with Ø50 rubber roller

Technical Data

Standards

Certifications – Approvals

Air temperature near the device

- during operation °C
- for storage °C

Climatic withstand

Mounting positions

Shock withstand (according to IEC 68-2-27 and 60068-2-27) g

(1/2sinusoidal shock for 11 ms) no change in contact position

Resistance to vibrations (acc.to IEC 68-2-6 and EN 60068-2-6) g

Protection against electrical shocks (acc.to IEC 536)

Degree of protection (according to IEC 529 and EN 60529)

Consistency (measured over 1 million operations)

IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL508 and CSA C22-2 n°14

UL – CSA

-25 ... +70

-30 ... +80

According to IEC 68-2-3 and salty mist according to IEC 68-2-11

All positions are authorized

50g*

25g (10...500Hz) no change in position of contacts greater than 100µs

Class I

IP66

0.1 mm (upon closing point)

* except for PS21/PS42 with head type W0, W1: 25g.

Electrical Data

Rated insulation voltage U_i

-according to IEC 60947-1 and EN 60947-1

-according to UL 508, CSA C22-2 n°14

Rated impulse withstand voltage U_{imp} kV

(according to IEC 60947-1 and EN 60947-1)

Conventional enclosed thermal current I_{the} A

(according to IEC 60947-5-1 and EN 60947-5-1) ($\theta \leq 40^\circ\text{C}$)

Short-circuit protection - gG type fuses A

Rated operational current

I_e / AC-15 - acc.to IEC 60947-5-1 24Vac (50/60 Hz) A

130Vac (50/60 Hz) A

230Vac (50/60 Hz) A

240Vac (50/60 Hz) A

400Vac (50/60 Hz) A

- acc.to UL 508, CSA C22 n°14

I_e / DC-13 - acc.to IEC 60947-5-1 24Vdc A

110Vdc A

250Vdc A

- acc.to UL 508, CSA C22 n°14

Electrical durability (according to IEC 60497-5-1 annex C)

- max. switching frequency Cycles/h

- load factor

Connecting data of contact blocks

Connecting terminals

Connecting capacity 1 or 2 x mm² / AWG

Terminal marking

Positivity

400V (PS21, PS42), **500V** (PS31, PS43) (degree of pollution 3)

A 300 Q 300 (PS21, PS42), **A 600 Q 600** (PS31, PS43)

6

10

10

10

5.5

3.1

3

1.8

A 300 (PS21, PS42), **A 600** (PS31, PS43)

2.8

0.6

0,27

Q 300 (PS21, PS42), **Q 600** (PS31, PS43)

Utilization categories AC-15 and DC-13 (see curves and value below)

3600

0,5

M3,5 (+,-) pozidriv 2 screw with cable clamp

0,5mm² / AWG 20 to 2,5mm² / AWG 14

According to EN 50013

Contacts with positive opening operation as per IEC 60947-5-1 chapter 3

Diagram for snap action contact:

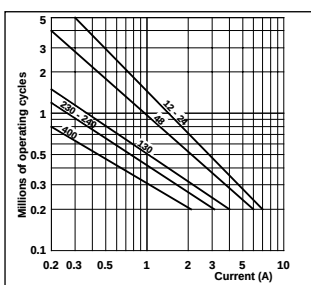
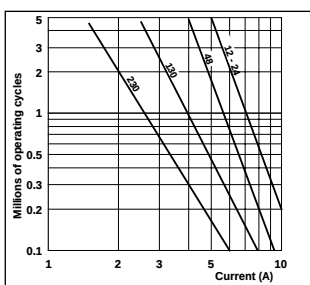


Diagram for slow action contact:



Electrical durability for DC-13 utilization category

Power breaking for a durability of 5 million operating cycles

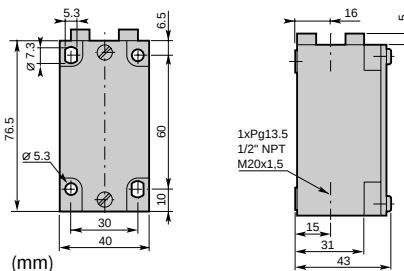
	Snap action	Slow action
Voltage 24V	9,5W	12W
Voltage 48V	6,8W	9W
Voltage 110V	3,6W	6W

Limit Switches - Limit Type (PS31) Metal Body IP66

CARLO GAVAZZI

■ Cable Gland

P = one cable inlet PG13.5 cable gland
M = one cable inlet M20x1.5 cable gland
N = one cable inlet 1/2" NPT cable gland



▲ Contact block (Zb type)

S11 (1NO+1NC) Snap action		T11 (1NO+1NC) Non overlapping Slow action		O11 (1NO+1NC) Overlapping Slow action		T02 (2NC) Slow Action		T20 (2NO) Slow action	
S02 (2NC) Snap action		T12 (1NO+2NC) Non overlapping Slow action		T21 (2NO+1NC) Non overlapping Slow action		T03 (3NC) Simultaneous Slow action		T30 (3NO) Simultaneous Slow action	

		S11 0 1.8 3.0 4.6 6.0 mm	T11 0 2.1 3.7 6.0 mm	O11 0 3.4 5.0 6.0 mm	T02 0 2.0 3.6 6.0 mm
		T20 0 1.9 6.0 mm	S02 0 1.8 2.9 4.5 6.0 mm	T12 0 2.0 3.5 6.0 mm	T21 0 2.1 3.6 6.0 mm
		T03 0 2.0 3.5 6.0 mm	T30 0 2.3 6.0 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 30N / 45Nm
Weight 240g

Stainless steel plain plunger
Code

PS31L-□▲P0-M00

		S11 0 1.8 3.0 4.6 6.0 mm	T11 0 2.1 3.7 6.0 mm	O11 0 3.4 5.0 6.0 mm	T02 0 2.0 3.6 6.0 mm
		T20 0 1.9 6.0 mm	S02 0 1.8 2.9 4.5 6.0 mm	T12 0 2.0 3.5 6.0 mm	T21 0 2.1 3.6 6.0 mm
		T03 0 2.0 3.5 6.0 mm	T30 0 2.3 6.0 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 30N / 45Nm
Weight 240g

Stainless steel ball plunger
Code

PS31L-□▲PB-M00

		S11 0 3.1 5.3 8.2 10.5 mm	T11 0 4.0 6.9 10.5 mm	O11 0 6.0 8.9 10.5 mm	T02 0 3.7 6.6 10.5 mm
		T20 0 3.5 10.5 mm	S02 0 3.1 5.1 8.0 10.5 mm	T12 0 3.8 6.3 10.5 mm	T21 0 3.9 6.4 10.5 mm
		T03 0 3.8 6.3 10.5 mm	T30 0 4.3 10.5 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 22N / 40Nm
Weight 245g

Stainless steel Ø22 roller plunger
Code

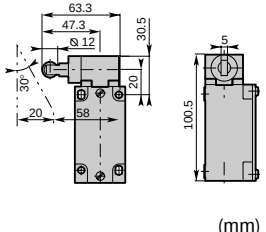
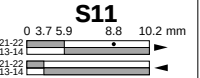
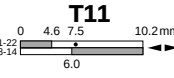
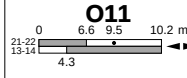
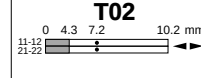
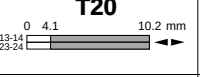
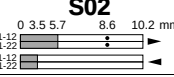
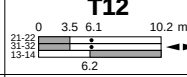
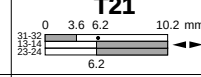
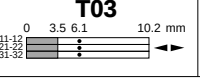
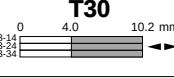
PS31L-□▲PR-M00

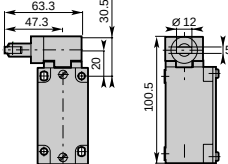
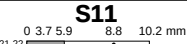
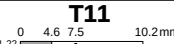
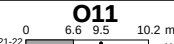
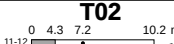
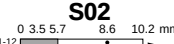
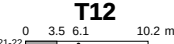
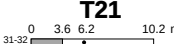
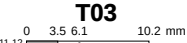
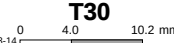
		S11 0 2.0 3.2 4.8 6.0 mm	T11 0 2.3 3.9 6.0 mm	O11 0 3.6 5.2 6.0 mm	T02 0 2.2 3.8 6.0 mm
		T20 0 2.1 6.0 mm	S02 0 2.0 3.1 4.7 6.0 mm	T12 0 1.4 2.9 6.0 mm	T21 0 1.5 3.0 6.0 mm
		T03 0 1.4 2.9 6.0 mm	T30 0 1.9 6.0 mm		

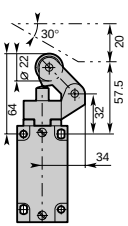
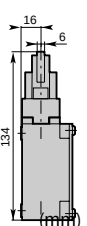
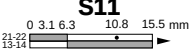
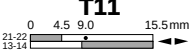
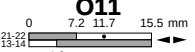
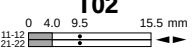
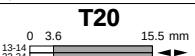
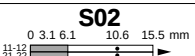
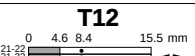
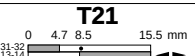
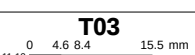
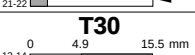
Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 30N / 50Nm
Weight 260g

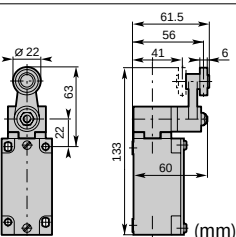
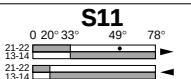
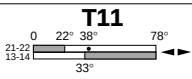
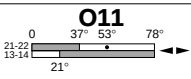
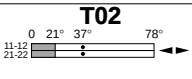
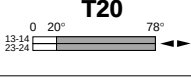
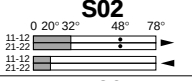
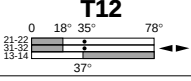
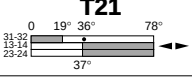
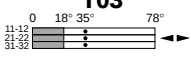
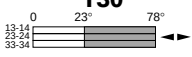
Stainless steel lateral plain plunger
Code

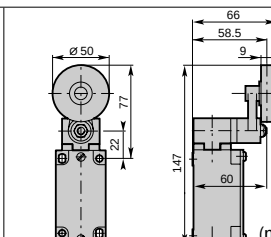
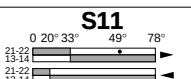
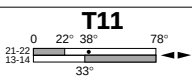
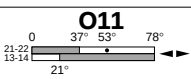
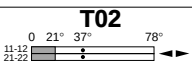
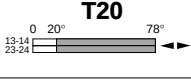
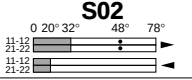
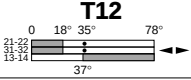
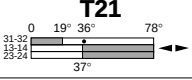
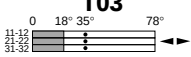
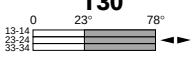
PS31L-□▲SP-M00

		S11 		T11 		O11 		T02 	
		T20 		S02 		T12 		T21 	
		T03 		T30 					
Conformity /  (NC)		EN 50041 / 		Stainless steel lateral plunger with Ø12 vertical roller					
Max. Actuation speed		0.5ms		Code					
Min. force or torque		30N / 50Nm		PS31L-     SV-M00					
Weight		265g							

	 (mm)				
					
					
Conformity /  (NC)		EN 50041 / 			
Max. Actuation speed		0.5ms			
Min. force or torque		30N / 50Nm			
Weight		265g			
Stainless steel lateral plunger with Ø12 horizontal roller					
Code PS31L-     SH-M00					

			S11 	T11 	O11 	T02 
			T20 	S02 	T12 	T21 
			T03 	T30 		
Conformity / 			One way lever			
Max. Actuation speed 1.5ms			Code Ø22 nylon roller			
Min. force or torque 12N / 40Nm			Ø22 stainless steel roller			
Weight 280g			Ø22 steel ball bearing			
			PS31L-RH-M00			
			PS31L-RK-M00			
			PS31L-RB-M00			

					
					
					
Conformity /  (NC)		EN 50041 / 		Ø22 Roller lever	
Max. Actuation speed		1.5ms		Code nylon roller	
Min. force or torque		0.15N / 0.30Nm		stainless steel roller	
Weight		300g		steel ball bearing	
				PS31L-RT-M00	
				PS31L-RS-M00	
				PS31L-RO-M00	

					
					
					
Conformity /  (NC)		Ø50 Rubber roller lever			
Max. Actuation speed		Code			
1.5ms					
Min. force or torque					
0.15N / 0.30Nm					
Weight					
315g					

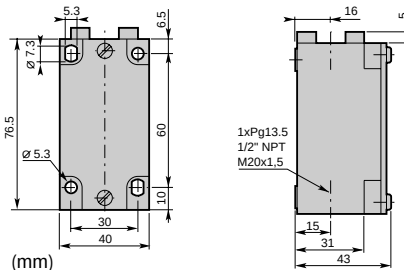
PS31L-   **W0-M00**

Limit Switches - Limit Type (PS31) Metal Body IP66

CARLO GAVAZZI

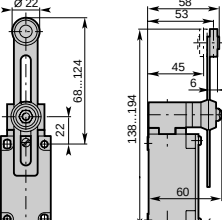
■ Cable Gland

P = one cable inlet PG13.5 cable gland
M = one cable inlet M20x1.5 cable gland
N = one cable inlet 1/2" NPT cable gland



▲ Contact block (Zb type)

S11 (1NO+1NC) Snap action	T11 (1NO+1NC) Non overlapping Slow action	O11 (1NO+1NC) Overlapping Slow action	T02 (2NC) Slow Action	T20 (2NO) Slow action
S02 (2NC) Snap action	T12 (1NO+2NC) Non overlapping Slow action	T21 (2NO+1NC) Non overlapping Slow action	T03 (3NC) Simultaneous Slow action	T30 (3NO) Simultaneous Slow action

		S11 0 20° 33° 49° 78° 21-22 13-14 13-14 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 31-32 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC)

Max. Actuation speed 1.5ms

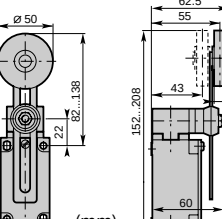
Min. force or torque 0.15N / 0.30Nm

Weight 320g

Adjustable Ø22 roller lever

Code nylon lever
stainless steel roller
steel ball bearing

PS31L-R1-M00
PS31L-R2-M00
PS31L-R3-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 13-14 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 31-32 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC)

Max. Actuation speed 1.5ms

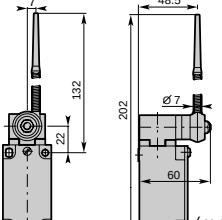
Min. force or torque 0.15N / 0.30Nm

Weight 325g

Adjustable Ø50 rubber roller lever

Code

PS31L-W1-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 13-14 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 31-32 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC)

Max. Actuation speed 1.5ms

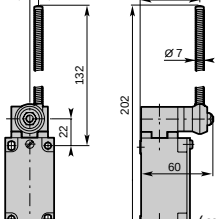
Min. force or torque 0.15N / -

Weight 305g

Nylon actuator with stainless steel spring

Code

PS31L-LB-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 13-14 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 31-32 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC)

Max. Actuation speed 1.5ms

Min. force or torque 0.15N / -

Weight 310g

Stainless steel spring actuator

Code

PS31L-LZ-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 21-22 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 13-14 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 11-12 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC) EN50041 /
 Max. Actuation speed 1.5ms
 Min. force or torque 0.15N / 0.30
 Weight 305g

Adjustable rod lever
 Code stainless steel rod Ø3
 fiberglass rod Ø3

PS31L-☐ ☐ LA-M00
 PS31L-☐ ☐ LF-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 21-22 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 13-14 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 11-12 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC) EN50041 /
 Max. Actuation speed 1.5ms
 Min. force or torque 0.15N / 0.30
 Weight 305g

Adjustable rod lever
 Code square steel rod 3x3

PS31L-☐ ☐ L3-M00

		S11 0 20° 33° 49° 78° 21-22 13-14 21-22 13-14	T11 0 22° 38° 78° 21-22 13-14 33°	O11 0 37° 53° 78° 21-22 13-14 21°	T02 0 21° 37° 78° 11-12 21-22
		T20 0 20° 78° 13-14 23-24	S02 0 20° 32° 48° 78° 11-12 21-22 13-14 21-22	T12 0 18° 35° 78° 21-22 13-14 37°	T21 0 19° 36° 78° 11-12 13-14 23-24 37°
		T03 0 18° 35° 78° 11-12 21-22 31-32	T30 0 23° 78° 13-14 23-24 33-34		

Conformity / (NC) EN50041 /
 Max. Actuation speed 1.5ms
 Min. force or torque 0.15N / 0.30Nm
 Weight 300g

Adjustable rod lever
 Code nylon rod
 fiberglass rod

PS31L-☐ ☐ LN-M00
 PS31L-☐ ☐ LG-M00

		S11 0 9° 21° 21-22 13-14 21-22 13-14	T11 0 12° 21-22 13-14 19°	O11 0 23° 21-22 13-14 11°	T02 0 11° 11-12 21-22
		T20 0 10° 13-14 23-24	S02 0 9° 20° 11-12 21-22 13-14 21-22	T12 0 12° 21-22 13-14 27°	T21 0 13° 11-12 13-14 23-24 27°
		T03 0 12° 11-12 21-22 31-32	T30 0 16° 13-14 23-24 33-34		

Conformity / (NC) /
 Max. Actuation speed 1.0ms
 Min. force or torque 0.18N / -
 Weight 230g

Stainless steel spring multidirectional actuator
 Code

PS31L-☐ ☐ LW-M00

		S11 0 9° 21° 21-22 13-14 21-22 13-14	T11 0 12° 21-22 13-14 19°	O11 0 23° 21-22 13-14 11°	T02 0 11° 11-12 21-22
		T20 0 10° 13-14 23-24	S02 0 9° 20° 11-12 21-22 13-14 21-22	T12 0 12° 21-22 13-14 27°	T21 0 13° 11-12 13-14 23-24 27°
		T03 0 12° 11-12 21-22 31-32	T30 0 16° 13-14 23-24 33-34		

Conformity / (NC) /
 Max. Actuation speed 1.0ms
 Min. force or torque 0.18N / -
 Weight 230g

Multidirectional nylon actuator with stainless steel spring
 Code

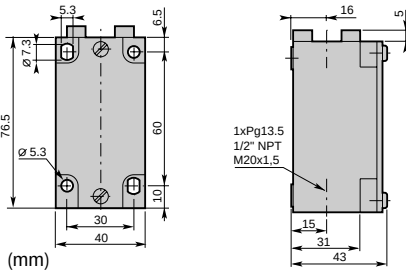
PS31L-☐ ☐ LP-M00

Limit Switches - Limit Type (PS31) Metal Body IP66



■ Cable Gland

- P** = one cable inlet PG13.5 cable gland
M = one cable inlet M20x1.5 cable gland
N = one cable inlet 1/2" NPT cable gland



▲ Contact block (Zb type)

S11 (1NO+1NC) Snap action		T11 (1NO+1NC) Non overlapping Slow action		O11 (1NO+1NC) Overlapping Slow action		T02 (2NC) Slow Action		T20 (2NO) Slow action	
S02 (2NC) Snap action		T12 (1NO+2NC) Non overlapping Slow action		T21 (2NO+1NC) Non overlapping Slow action		T03 (3NC) Simultaneous Slow action		T30 (3NO) Simultaneous Slow action	

		S11 	T11 	O11 	T02
		T20 	S02 	T12 	T21
		T03 	T30 		

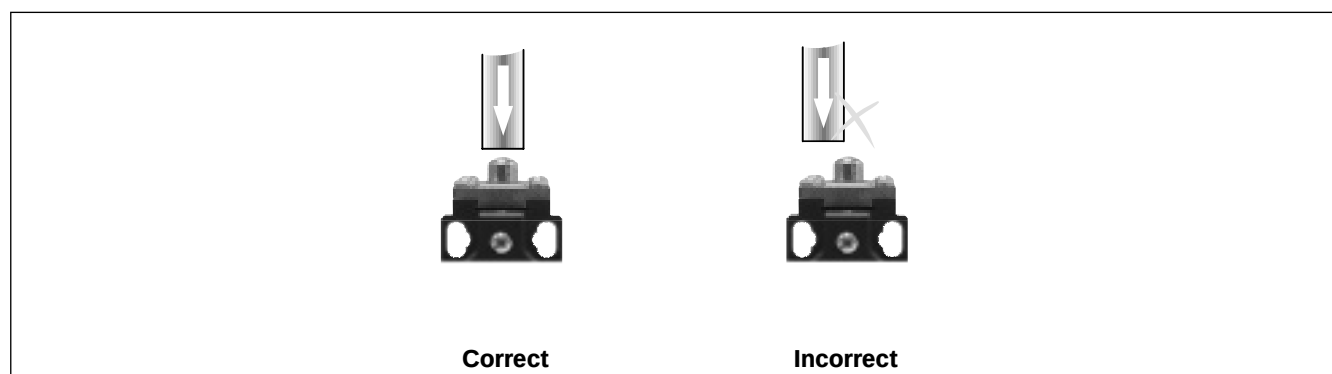
Conformity / (NC)	/	Stainless steel spring multidirectional actuator
Max. Actuation speed	1.0ms	Code
Min. force or torque	0.18N / -	PS31L- ■▲LS-M00
Weight	235g	

		S11 	T11 	O11 	T02
		T20 		T12 	T21
		T03 	T30 		

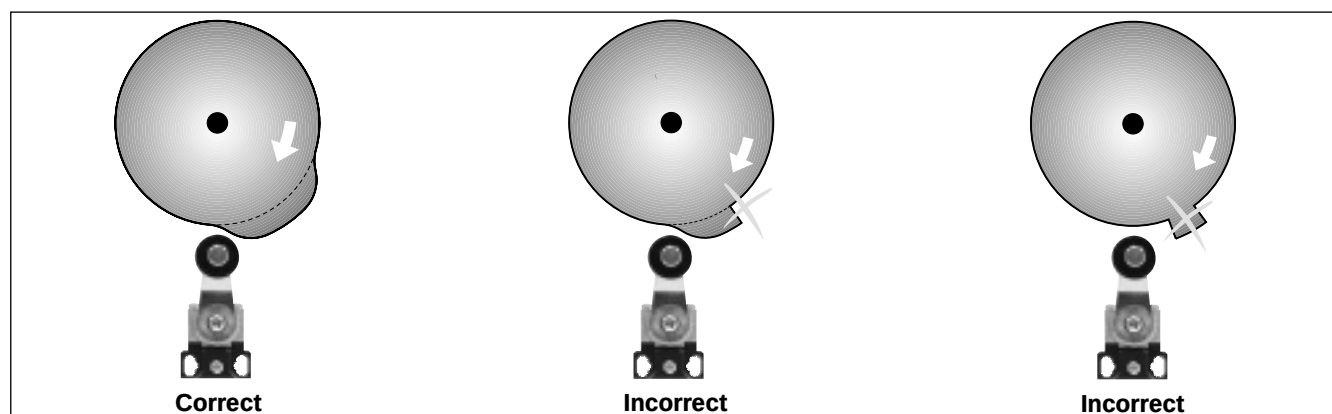
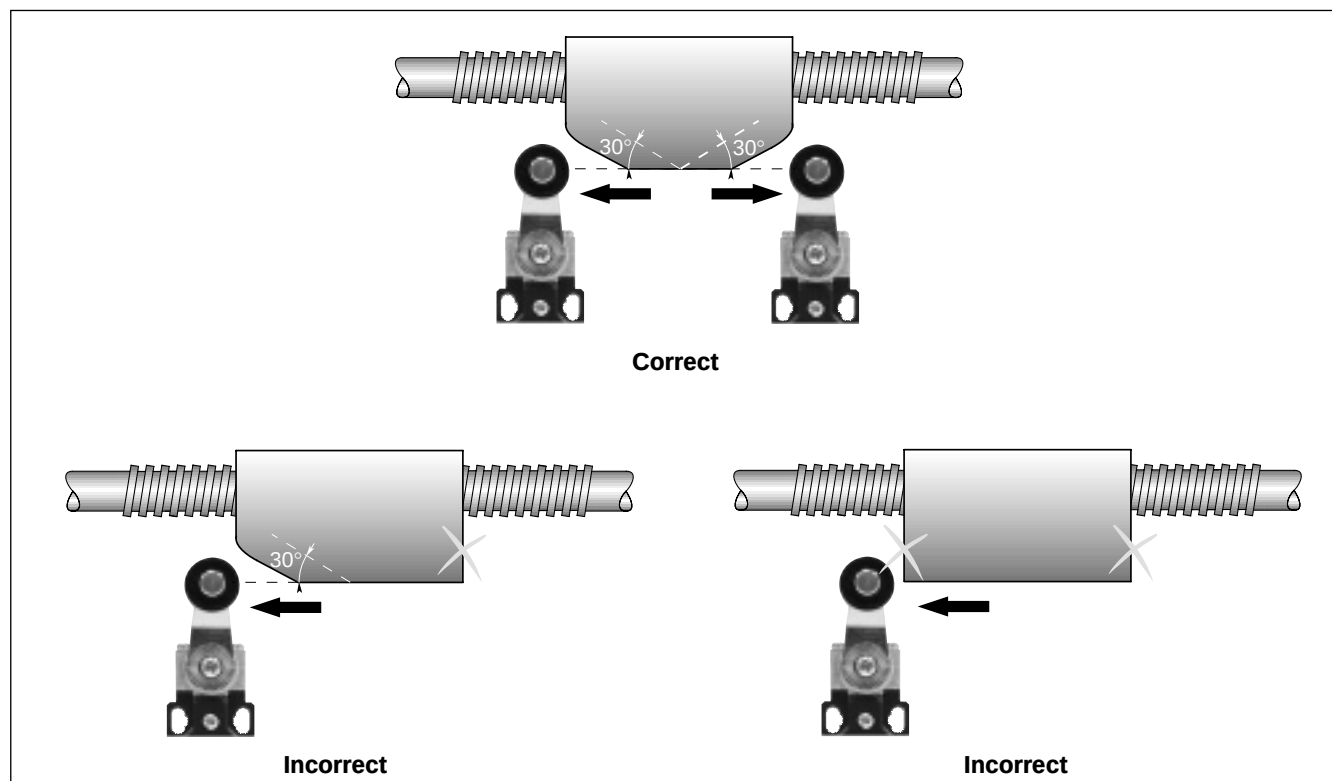
Conformity / (NC)	/	Pull action with ring
Max. Actuation speed	0.5ms	Code
Min. force or torque	25N / -	PS31L- ■▲N6-M00
Weight	245g	

Utilization precautions

Plain plunger

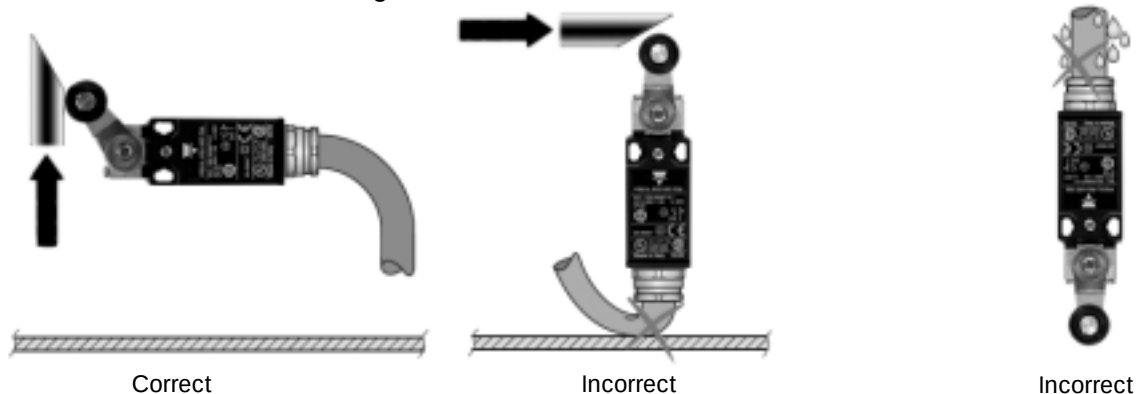


Roller plunger or Roller lever



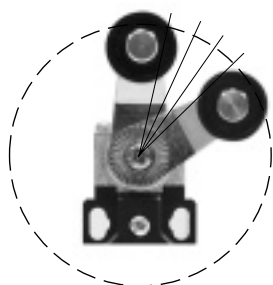
Utilization precautions

Electrical connection and mounting



Adjustement

Position adjustement of lever

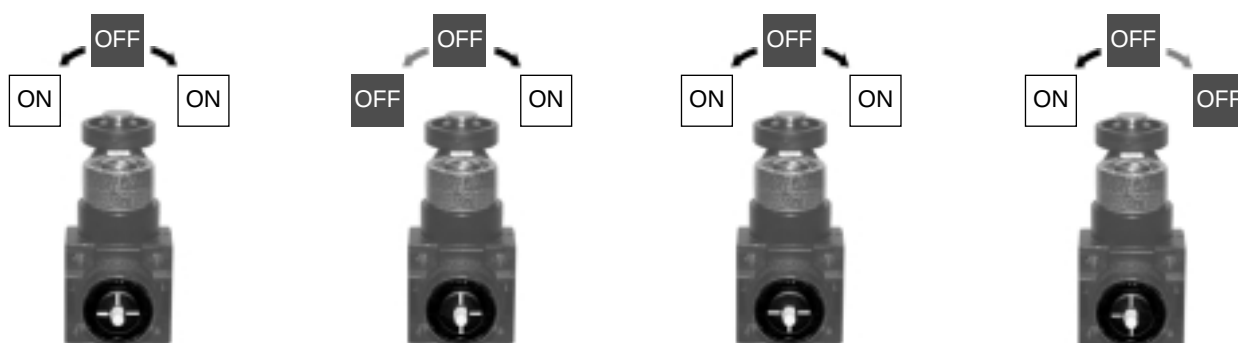


Free position adjustement 10 in 10° of lever

Position adjustement of lever and head



Different operating of head



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Carlo Gavazzi:

[PS31L-NS02W1-MC2](#) [PS31L-NS11LS-M00](#) [PS31L-NO11LW-M00](#) [PS31L-NT02R1-M00](#) [PS31L-NS11N6-M00](#)
[PS31L-PT12LS-M00](#) [PS31L-NO11PR-M00](#) [PS31L-NO11LZ-M00](#) [PS31L-NO11RK-M00](#) [PS31L-NS11RS-M00](#)
[PS31L-NS02LB-M00](#) [PS31L-NS02LZ-M00](#) [PS31L-NO11R1-M00](#) [PS31L-NO11N6-M00](#) [PS31L-NS02LF-M00](#) [PS31L-](#)
[NO11P0-M00](#) [PS31L-NS11PR-M00](#) [PS31L-PS11RH-M00](#) [PS31L-NS02LW-M00](#) [PS31L-NS11LF-M00](#) [PS31L-](#)
[NO11PB-M00](#) [PS31L-NT21LS-M00](#) [PS31L-NT21R1-M00](#) [PS31L-NS11L3-M00](#) [PS31L-NO11R3-M00](#) [PS31L-](#)
[NT11R1-M00](#) [PS31L-NS11R2-M00](#) [PS31L-NO11W0-M00](#) [PS31L-NS02LN-M00](#) [PS31L-NO11RB-M00](#) [PS31L-](#)
[NT21PR-M00](#) [PS31L-NO11SH-M00](#) [PS31L-NS11LW-M00](#) [PS31L-NS02LA-M00](#) [PS31L-NO11SV-M00](#) [PS31L-](#)
[NO11RT-M00](#) [PS31L-NO11LB-M00](#) [PS31L-NT21RT-M00](#) [PS31L-NS11LA-M00](#) [PS31L-NS02P0-M00](#) [PS31L-](#)
[NS02W1-M00](#) [PS31L-NO11LP-M00](#) [PS31L-NS11PB-M00](#) [PS31L-NS02LP-M00](#) [PS31L-NS11LG-M00](#) [PS31L-](#)
[NS11RT-M00](#) [PS31L-PS11R1-M00](#) [PS31L-NS11SH-M00](#) [PS31L-NO11RO-M00](#) [PS31L-NS11LN-M00](#) [PS31L-](#)
[NO11L3-M00](#) [PS31L-NS02N6-M00](#) [PS31L-NO11LF-M00](#) [PS31L-NO11W1-M00](#) [PS31L-NS11RK-M00](#) [PS31L-](#)
[NS02L3-M00](#) [PS31L-NS11LB-M00](#) [PS31L-NS11W0-M00](#) [PS31L-NO11RH-M00](#) [PS31L-NT12R1-M00](#) [PS31L-](#)
[NO11LA-M00](#) [PS31L-NO11LN-M00](#) [PS31L-PS11RT-M00](#) [PS31L-NS11SP-M00](#) [PS31L-NS11LZ-M00](#) [PS31L-](#)
[NS11P0-M00](#) [PS31L-NO11LG-M00](#) [PS31L-NO11SP-M00](#) [PS31L-NO11RS-M00](#) [PS31L-NT02W1-M00](#) [PS31L-](#)
[NT12PR-M00](#) [PS31L-NT12PB-M00](#) [PS31L-NT11PR-M00](#) [PS31L-NS11LP-M00](#) [PS31L-NS11SV-M00](#) [PS31L-](#)
[NS11R1-M00](#) [PS31L-NS02LG-M00](#) [PS31L-PS11W1-M00](#) [PS31L-NO11LS-M00](#) [PS31L-PS11LP-M00](#) [PS31L-](#)
[NS11W1-M00](#) [PS31L-NO11R2-M00](#) [PS31L-NS02LS-M00](#) [PS31L-NS11RH-M00](#) [PS31L-NS02W1-MC4](#)