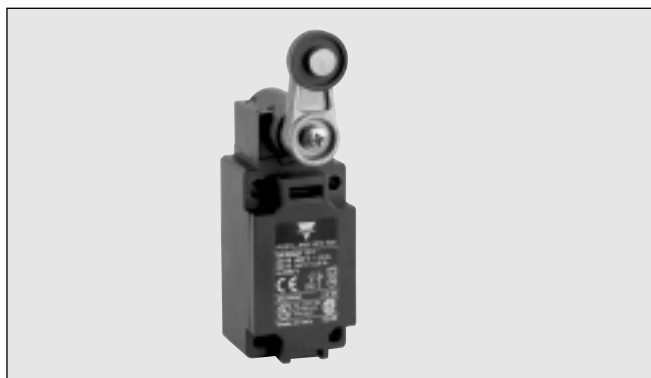


Limit Switches - Limit Type Plastic Body IP65

CARLO GAVAZZI



- Double Insulation ☐
- Degree of protection IP65
- Reinforced UL-V0 thermoplastic fiber-glass body
- Positive Opening Operation $\rightarrow$
- 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-T00

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

T | Thermoplastic Body and Thermoplastic 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
P0 | metal plain PLUNGER
PB | steel ball PLUNGER
PH | metal PLUNGER +gasket
PG | steel roller PLUNGER +gasket
PR | metal roller PLUNGER
R1 | adj LEVER with nylon roller
R2 | adj LEVER with stainless steel roller
R3 | adj LEVER with steel ball bearing
RH | plastic roller LEVER on metal PLUNGER (left)
RK | one way LEVER stainless steel roller
RB | one way LEVER steel ball bearing
RJ | plastic roller LEVER on metal PLUNGER +gasket (left)
RY | one way LEVER +gasket with stainless steel roller
RC | one way LEVER + gasket with steel ball bearing
RT | nylon roller LEVER
RS | metal roller LEVER
RO | roller LEVER steel ball bearing
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 II

IP65

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

500V (degree of pollution 3)

A 600, Q 600

6

10

10

10

5.5

3.1

3

1.8

A 600

2.8

0.6

0,27

Q 600

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:

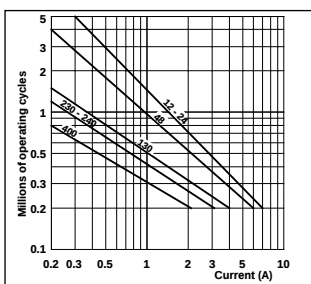
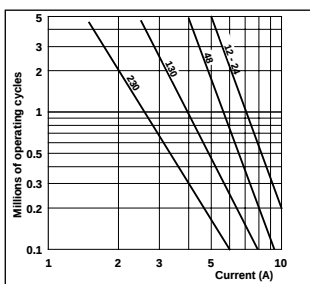


Diagram for slow action contact:



Electrical durability for DC-13 utilization category

Power breaking for a durability of 5 million operating cycles

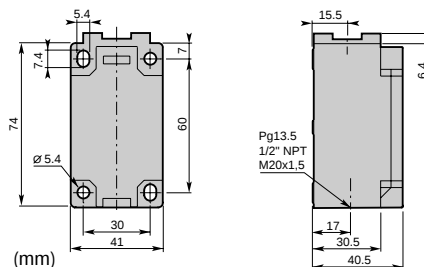
	Snap action	Slow action
Voltage 24V	9,5W	12W
Voltage 48V	6,8W	9W
Voltage 110V	3,6W	6W

Limit Switches - Limit Type (PS31) Plastic Body IP65

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 1.0 2.2 3.8 5.9 mm	T11 0 1.3 2.9 5.9 mm	O11 0 2.4 5.0 5.9 mm	T02 0 1.1 2.7 5.9 mm
		T20 0 1.0 5.9 mm	S02 0 1.0 2.0 3.6 5.9 mm	T12 0 0.9 2.4 5.9 mm	T21 0 1.0 2.5 5.9 mm
		T03 0 0.9 2.4 5.9 mm	T30 0 1.3 5.9 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 14N / 40Nm
Weight 145g

Plain steel plunger
Code

PS31L-00-▲P0-T00

		S11 0 1.0 2.2 3.8 5.9 mm	T11 0 1.3 2.9 5.9 mm	O11 0 2.4 5.0 5.9 mm	T02 0 1.1 2.7 5.9 mm
		T20 0 1.0 5.9 mm	S02 0 1.0 2.0 3.6 5.9 mm	T12 0 0.9 2.4 5.9 mm	T21 0 1.0 2.5 5.9 mm
		T03 0 0.9 2.4 5.9 mm	T30 0 1.3 5.9 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 14N / 40Nm
Weight 145g

Steel ball plunger
Code

PS31L-00-▲PB-T00

		S11 0 2.4 4.6 7.5 10.5 mm	T11 0 3.1 6.0 10.5 mm	O11 0 5.1 8.0 10.5 mm	T02 0 2.8 5.7 10.5 mm
		T20 0 2.6 10.5 mm	S02 0 2.4 4.4 7.3 10.5 mm	T12 0 2.8 5.3 10.5 mm	T21 0 2.9 5.4 10.5 mm
		T03 0 2.8 5.3 10.5 mm	T30 0 3.3 10.5 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 14N / 40Nm
Weight 150g

Steel roller plunger
Code

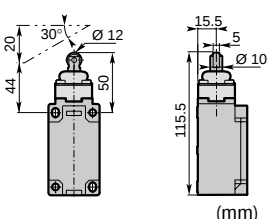
PS31L-00-▲PR-T00

		S11 0 1.0 2.2 3.8 5.9 mm	T11 0 1.3 2.9 5.9 mm	O11 0 2.4 5.0 5.9 mm	T02 0 1.1 2.7 5.9 mm
		T20 0 1.0 5.9 mm	S02 0 1.0 2.0 3.6 5.9 mm	T12 0 0.9 2.4 5.9 mm	T21 0 1.0 2.5 5.9 mm
		T03 0 0.9 2.4 5.9 mm	T30 0 1.3 5.9 mm		

Conformity / (NC) EN 50041 / (NC)
Max. Actuation speed 0.5ms
Min. force or torque 14N / 40Nm
Weight 145g

Plain steel plunger with dust protection cup
Code

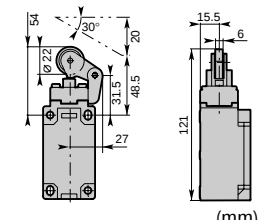
PS31L-00-▲PH-T00

		S11 0 2.4 4.6 7.5 10.5 mm 21-22 13-14 13-14	T11 0 3.1 6.0 10.5 mm 21-22 13-14 4.4	O11 0 5.1 8.0 10.5 mm 21-22 13-14 2.8	T02 0 2.8 5.7 10.5 mm 11-12 21-22
		T20 0 2.6 10.5 mm 13-14 23-24	S02 0 2.4 4.4 7.3 10.5 mm 11-12 21-22 11-12 21-22	T12 0 2.8 5.3 10.5 mm 13-14 23-24 5.5	T21 0 2.9 5.4 10.5 mm 11-12 21-22 13-14 23-24 5.5
		T03 0 2.8 5.3 10.5 mm 11-12 21-22 13-14 23-24	T30 0 3.3 10.5 mm 13-14 23-24 33-34		

Conformity / (NC) EN 50041 / (NC)
 Max. Actuation speed 0.5ms
 Min. force or torque 14N / 40Nm
 Weight 150g

Steel roller plunger with dust protection cup
 Code

PS31L-PG-T00

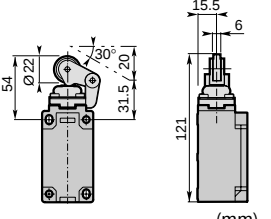
		S11 0 3.8 6.8 11.3 17.0 mm 21-22 13-14 13-14	T11 0 4.9 9.4 17.0 mm 21-22 13-14 6.3	O11 0 7.6 12.1 17.0 mm 21-22 13-14 4.4	T02 0 4.4 8.9 17.0 mm 11-12 21-22
		T20 0 4.0 17.0 mm 13-14 23-24	S02 0 3.8 6.6 11.1 17.0 mm 11-12 21-22 11-12 21-22	T12 0 3.7 7.5 17.0 mm 13-14 23-24 7.7	T21 0 4.0 7.6 17.0 mm 11-12 21-22 13-14 23-24 7.7
		T03 0 3.7 7.5 17.0 mm 11-12 21-22 13-14 23-24	T30 0 4.8 17.0 mm 13-14 23-24 33-34		

Conformity / (NC) / (NC)
 Max. Actuation speed 1.0ms
 Min. force or torque 8N / 30Nm
 Weight 185g

One way lever

Code Ø22 nylon roller
 Ø22 stainless steel roller
 Ø22 steel ball bearing

PS31L-RH-T00
 PS31L-RK-T00
 PS31L-RB-T00

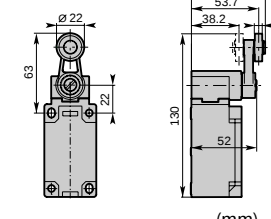
		S11 0 3.8 6.8 11.3 17.0 mm 21-22 13-14 13-14	T11 0 4.9 9.4 17.0 mm 21-22 13-14 6.3	O11 0 7.6 12.1 17.0 mm 21-22 13-14 4.4	T02 0 4.4 8.9 17.0 mm 11-12 21-22
		T20 0 4.0 17.0 mm 13-14 23-24	S02 0 3.8 6.6 11.1 17.0 mm 11-12 21-22 11-12 21-22	T12 0 3.7 7.5 17.0 mm 13-14 23-24 7.7	T21 0 4.0 7.6 17.0 mm 11-12 21-22 13-14 23-24 7.7
		T03 0 3.7 7.5 17.0 mm 11-12 21-22 13-14 23-24	T30 0 4.8 17.0 mm 13-14 23-24 33-34		

Conformity / (NC) / (NC)
 Max. Actuation speed 1.0ms
 Min. force or torque 8N / 30Nm
 Weight 180g

One way lever with dust protection cup

Code Ø22 nylon roller
 Ø22 stainless steel roller
 Ø22 steel ball bearing

PS31L-RJ-T00
 PS31L-RY-T00
 PS31L-RC-T00

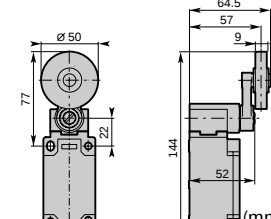
		S11 0 19° 31° 47° 90° 21-22 13-14 13-14	T11 0 21° 37° 90° 21-22 13-14 30°	O11 0 34° 50° 90° 21-22 13-14 19°	T02 0 19° 35° 90° 11-12 21-22
		T20 0 18° 90° 13-14 23-24	S02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	T12 0 16° 33° 90° 13-14 23-24 35°	T21 0 17° 34° 90° 11-12 21-22 13-14 23-24 35°
		T03 0 16° 33° 90° 11-12 21-22 13-14 23-24	T30 0 21° 90° 13-14 23-24 33-34		

Conformity / (NC) EN 50041 / (NC)
 Max. Actuation speed 1.5ms
 Min. force or torque 0.15N / 0.30Nm
 Weight 200g

Ø22 Roller lever

Code nylon roller
 stainless steel roller
 steel ball bearing

PS31L-RT-T00
 PS31L-RS-T00
 PS31L-RO-T00

		S11 0 19° 31° 47° 90° 21-22 13-14 13-14	T11 0 21° 37° 90° 21-22 13-14 30°	O11 0 34° 50° 90° 21-22 13-14 19°	T02 0 19° 35° 90° 11-12 21-22
		T20 0 18° 90° 13-14 23-24	S02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	T12 0 16° 33° 90° 13-14 23-24 35°	T21 0 17° 34° 90° 11-12 21-22 13-14 23-24 35°
		T03 0 16° 33° 90° 11-12 21-22 13-14 23-24	T30 0 21° 90° 13-14 23-24 33-34		

Conformity / (NC) / (NC)
 Max. Actuation speed 1.5ms
 Min. force or torque 0.15N / 0.30Nm
 Weight 205g

Ø50 Rubber roller lever

Code

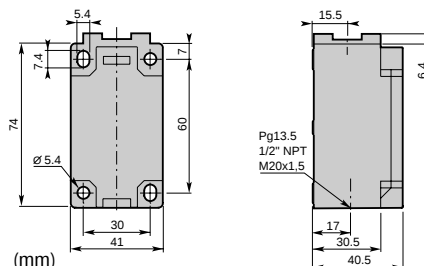
PS31L-W0-T00

Limit Switches - Limit Type (PS31) Plastic Body IP65

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

Conformity / $\Rightarrow$ (NC)

Max. Actuation speed 1.5ms

Min. force or torque 0.15N / 0.30Nm

Weight 195g

Adjustable Ø22 roller lever

Code nylon lever
 stainless steel roller
 steel ball bearing

PS31L-R1-T00
 PS31L-R2-T00
 PS31L-R3-T00

Conformity / $\Rightarrow$ (NC)

Max. Actuation speed 1.5ms

Min. force or torque 0.15N / 0.30Nm

Weight 205g

Adjustable Ø50 rubber roller lever

Code

PS31L-W1-T00

Conformity / $\Rightarrow$ (NC)

Max. Actuation speed 1.5ms

Min. force or torque 0.15N / -

Weight 190g

Nylon actuator with stainless steel spring

Code

PS31L-LB-T00

Conformity / $\Rightarrow$ (NC)

Max. Actuation speed 1.5ms

Min. force or torque 0.15N / -

Weight 195g

Stainless steel spring actuator

Code

PS31L-LZ-T00

		S11 0 19° 31° 47° 90° 21-22 13-14 21-22 13-14	T11 0 21° 37° 90° 21-22 13-14 30°	O11 0 34° 50° 90° 21-22 13-14 19°	T02 0 19° 35° 90° 11-12 21-22
		T20 0 18° 90° 13-14 23-24	S02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	T12 0 16° 33° 90° 21-22 13-14 35°	T21 0 17° 34° 90° 31-32 13-14 23-24 35°
		T03 0 16° 33° 90° 11-12 21-22 31-32	T30 0 21° 90° 13-14 23-24 33-34		

Conformity / (NC) /
Max. Actuation speed 1.5ms
Min. force or torque 0.15N / 0.30
Weight 185g

Adjustable rod lever
Code stainless steel rod Ø3
 fiberglass rod Ø3
 square steel rod 3x3

PS31L - **LA-T00**
PS31L - **LF-T00**
PS31L - **L3-T00**

		S11 0 19° 31° 47° 90° 21-22 13-14 21-22 13-14	T11 0 21° 37° 90° 21-22 13-14 30°	O11 0 34° 50° 90° 21-22 13-14 19°	T02 0 19° 35° 90° 11-12 21-22
		T20 0 18° 90° 13-14 23-24	S02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	T12 0 16° 33° 90° 21-22 13-14 35°	T21 0 17° 34° 90° 31-32 13-14 23-24 35°
		T03 0 16° 33° 90° 11-12 21-22 31-32	T30 0 21° 90° 13-14 23-24 33-34		

Conformity / (NC) /
Max. Actuation speed 1.5ms
Min. force or torque 0.15N / 0.30Nm
Weight 185g

Adjustable Ø6 rod lever
Code nylon rod
 fiberglass rod

PS31L - **LN-T00**
PS31L - **LG-T00**

		S11 0 15° 27° 21-22 13-14 21-22 13-14	T11 0 18° 25° 21-22 13-14	O11 0 30° 17° 21-22 13-14	T02 0 17° 11-12 21-22
		T20 0 16° 13-14 23-24	S02 0 15° 26° 11-12 21-22 11-12 21-22	T12 0 15° 32° 21-22 13-14	T21 0 16° 32° 31-32 13-14 23-24
		T03 0 15° 11-12 21-22 31-32	T30 0 19° 13-14 23-24 33-34		

Conformity / (NC) /
Max. Actuation speed 1.0ms
Min. force or torque 0.18N / -
Weight 150g

Stainless steel spring multidirectional actuator
Code

PS31L - **LW-T00**

		S11 0 15° 27° 21-22 13-14 21-22 13-14	T11 0 18° 25° 21-22 13-14	O11 0 30° 17° 21-22 13-14	T02 0 17° 11-12 21-22
		T20 0 16° 13-14 23-24	S02 0 15° 26° 11-12 21-22 11-12 21-22	T12 0 15° 32° 21-22 13-14	T21 0 16° 32° 31-32 13-14 23-24
		T03 0 15° 11-12 21-22 31-32	T30 0 19° 13-14 23-24 33-34		

Conformity / (NC) /
Max. Actuation speed 1.0ms
Min. force or torque 0.18N / -
Weight 155g

Multidirectional nylon actuator with stainless steel spring
Code

PS31L - **LP-T00**

		S11 0 15° 27° 21-22 13-14 21-22 13-14	T11 0 18° 25° 21-22 13-14	O11 0 30° 17° 21-22 13-14	T02 0 17° 11-12 21-22
		T20 0 16° 13-14 23-24	S02 0 15° 26° 11-12 21-22 11-12 21-22	T12 0 15° 32° 21-22 13-14	T21 0 16° 32° 31-32 13-14 23-24
		T03 0 15° 11-12 21-22 31-32	T30 0 19° 13-14 23-24 33-34		

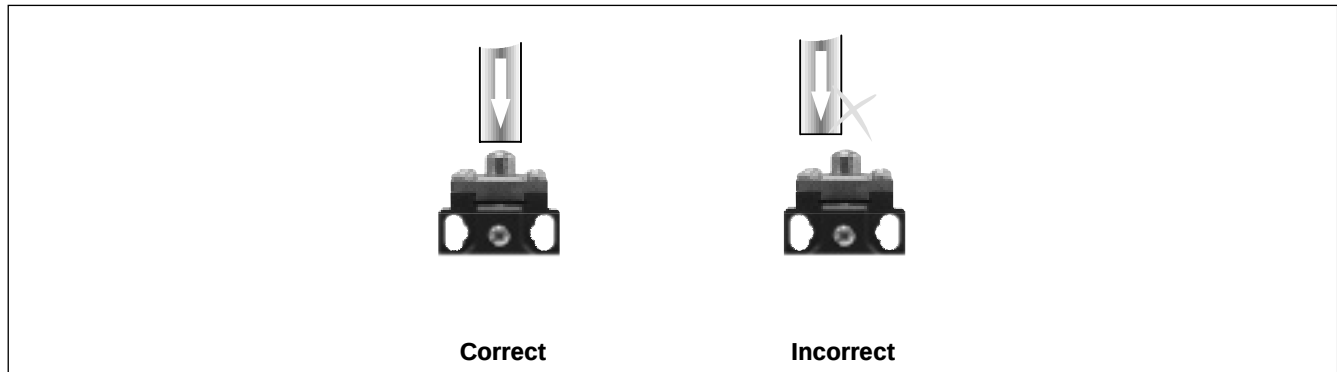
Conformity / (NC) /
Max. Actuation speed 1.0ms
Min. force or torque 0.18N / -
Weight 160g

Stainless steel spring multidirectional actuator
Code

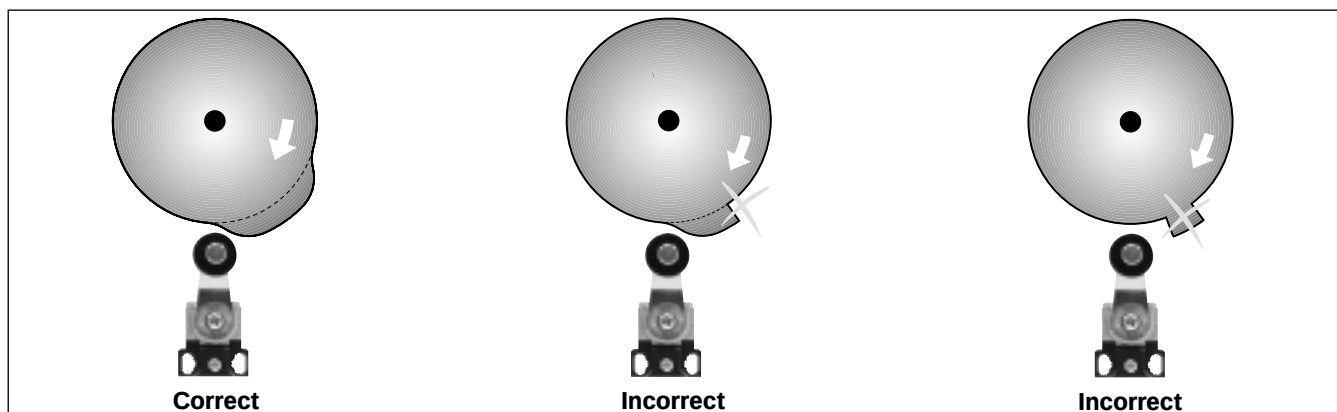
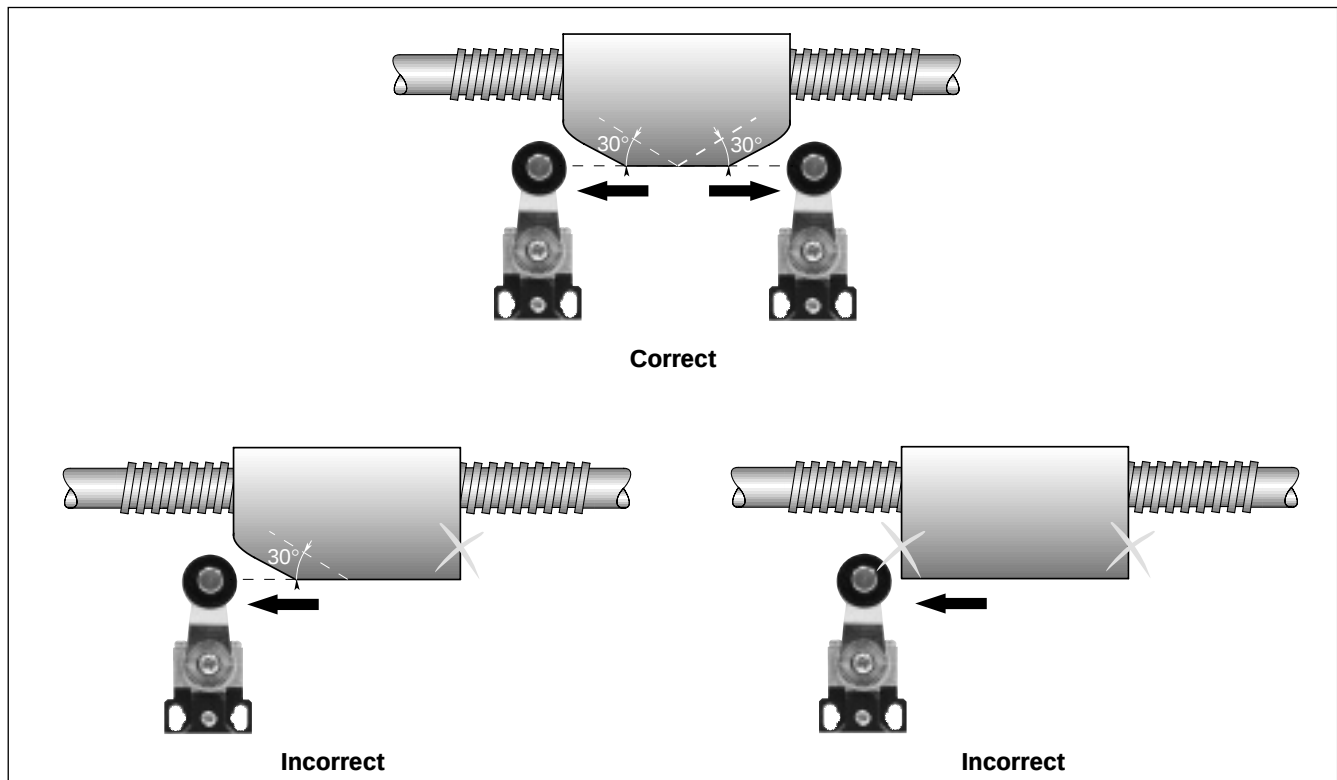
PS31L - **LS-T00**

Utilization precautions

Plain plunger

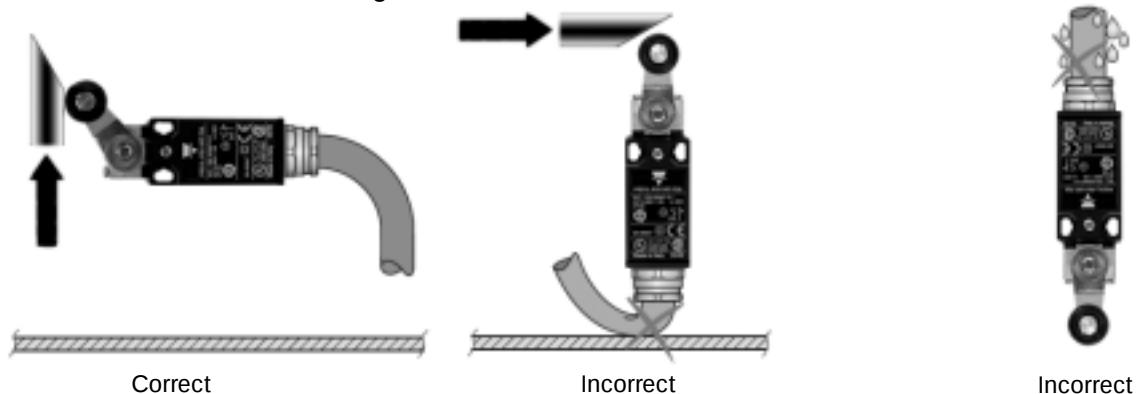


Roller plunger or Roller lever



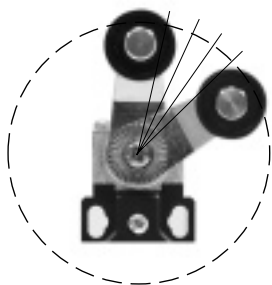
Utilization precautions

Electrical connection and mounting



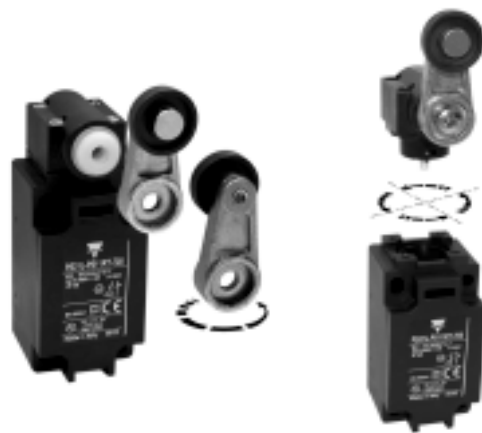
Adjustment

Position adjustment of lever

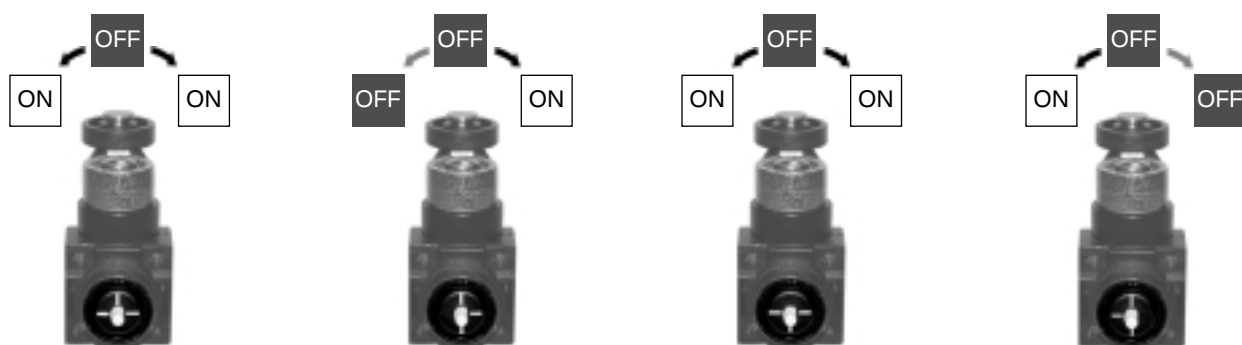


Free position adjustment 10 in 10° of lever

Position adjustment of lever and head



Different operating of head



Mouser Electronics

Authorized Distributor

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

Carlo Gavazzi:

[PS31M-US11BR-T00](#) [PS31L-NT02PG-T00](#) [PS31L-NO11RY-T00](#) [PS31L-NT12RJ-T00](#) [PS31L-NO11LP-T00](#) [PS31L-NT21LF-T00](#) [PS31L-NT03LA-T00](#) [PS31L-NO11RB-T00](#) [PS31L-NS02RB-T00](#) [PS31L-NT12PB-T00](#) [PS31L-NT12L3-T00](#) [PS31L-NT03LS-T00](#) [PS31L-NT11RY-T00](#) [PS31L-NT20L3-T00](#) [PS31L-NS11W0-T00](#) [PS31L-NT21PB-T00](#) [PS31L-NT11LG-T00](#) [PS31L-NT11LW-T00](#) [PS31L-NT03RY-T00](#) [PS31L-NT11LS-T00](#) [PS31L-NS02LP-T00](#) [PS31L-NT30R1-T00](#) [PS31L-NT20RO-T00](#) [PS31L-NT03RJ-T00](#) [PS31L-NT30RO-T00](#) [PS31L-NT03RB-T00](#) [PS31L-NT02LF-T00](#) [PS31L-NO11LG-T00](#) [PS31L-NT11RJ-T00](#) [PS31L-NS02PB-T00](#) [PS31L-NT20PH-T00](#) [PS31L-NT20LA-T00](#) [PS31L-NT20R2-T00](#) [PS31L-NS11RT-T00](#) [PS31L-NT02LN-T00](#) [PS31L-NT02RK-T00](#) [PS31L-NS02W1-T00](#) [PS31L-NT12LW-T00](#) [PS31L-NT30LS-T00](#) [PS31L-NT30RY-T00](#) [PS31L-NS02R1-T00](#) [PS31L-NT03PH-T00](#) [PS31L-NO11PB-T00](#) [PS31L-NT30LA-T00](#) [PS31L-NT21RC-T00](#) [PS31L-NT20PR-T00](#) [PS31L-NT03LP-T00](#) [PS31L-NT11RK-T00](#) [PS31L-NT02W1-T00](#) [PS31L-NT12RK-T00](#) [PS31L-NT12RY-T00](#) [PS31L-NT03LZ-T00](#) [PS31L-NS11LB-T00](#) [PS31L-NO11LN-T00](#) [PS31L-NT03L3-T00](#) [PS31L-NT30PB-T00](#) [PS31L-NT03LN-T00](#) [PS31L-NT03PR-T00](#) [PS31L-NS11RH-T00](#) [PS31L-NT21R2-T00](#) [PS31L-NS11RJ-T00](#) [PS31L-NO11W1-T00](#) [PS31L-NT03LG-T00](#) [PS31L-NT02RY-T00](#) [PS31L-NT30RK-T00](#) [PS31L-NT11L3-T00](#) [PS31L-NT11P0-T00](#) [PS31L-NS02P0-T00](#) [PS31L-NT20W1-T00](#) [PS31L-NT12R1-T00](#) [PS31L-NT02R2-T00](#) [PS31L-NT21RH-T00](#) [PS31L-NO11P0-T00](#) [PS31L-NO11RH-T00](#) [PS31L-NS02RY-T00](#) [PS31L-NS11R2-T00](#) [PS31L-NT30PH-T00](#) [PS31L-NT12PR-T00](#) [PS31L-NS11PB-T00](#) [PS31L-NS02LW-T00](#) [PS31L-NO11R1-T00](#) [PS31L-NS02LG-T00](#) [PS31L-NS11RC-T00](#) [PS31L-NT03RT-T00](#) [PS31L-NS11LZ-T00](#) [PS31L-NS02RH-T00](#) [PS31L-NT02RJ-T00](#) [PS31L-NT02RS-T00](#) [PS31L-NT30W1-T00](#) [PS31L-NT21RB-T00](#) [PS31L-NT12R2-T00](#) [PS31L-NT02RC-T00](#) [PS31L-NT02LP-T00](#) [PS31L-NT21PH-T00](#) [PS31L-NT03W1-T00](#) [PS31L-NS11R3-T00](#) [PS31L-NT21RO-T00](#) [PS31L-NO11R2-T00](#) [PS31L-NT20RS-T00](#) [PS31L-NT21LA-T00](#)