

## Limit switches - Miniature type

Head Types	<b>PO</b> Plain plunger	<b>PY</b> Nylon roller plunger	<b>P8</b> Cross nylon roller plunger	<b>RT</b> Ø14 Nylon roller lever
				

Dimensions HxWxD (mm)	35 x 60 x 16 1m PVC cable	35 x 70 x 16 1m PVC cable	35 x 70 x 16 1m PVC cable	35 x 92 x 29.5 1m PVC cable
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### PS31M (metal\*) References contact block

Snap 1NO+1NC	⊕	<b>PS31M-CS11PO-M00</b>	<b>PS31M-CS11PY-M00</b>	<b>PS31M-CS11P8-M00</b>	<b>PS31M-CS11RT-M00</b>
Slow 1NO+1NC	⊕	<b>PS31M-CT11PO-M00</b>	<b>PS31M-CT11PY-M00</b>	<b>PS31M-CT11P8-M00</b>	<b>PS31M-CT11RT-M00</b>

				
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Dimensions WxHxD (mm)	31.5 x 60 x 16 1m PVC cable	31.5 x 70 x 16 1m PVC cable	31.5 x 70 x 16 1m PVC cable	31.5 x 92 x 29.5 1m PVC cable
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### PS21M (metal\*) References contact block

Snap 1NO+1NC	⊕	<b>PS21M-CS11PO-M00</b>	<b>PS21M-CS11PY-M00</b>	<b>PS21M-CS11P8-M00</b>	<b>PS21M-CS11RT-M00</b>
Slow 1NO+1NC	⊕	<b>PS21M-CT11PO-M00</b>	<b>PS21M-CT11PY-M00</b>	<b>PS21M-CT11P8-M00</b>	<b>PS21M-CT11RT-M00</b>

Head Types	Plain plunger with fixing nuts	Roller plunger with fixing nuts	Cross roller plunger with fixing nuts	<b>R1</b> Adjustable lever with Ø18 nylon roller
				

Dimensions (mm) WxHxD	35 x 74 x 16 1m PVC cable	35 x 84.8 x 16 1m PVC cable	35 x 84.8 x 16 1m PVC cable	35 x 86...158 x 38.9 1m PVC cable
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### PS31M (metal\*) References contact block

Snap 1NO+1NC	⊕	<b>PS31M-CS11PO-M0L</b>	<b>PS31M-CS11PY-M0L</b>	<b>PS31M-CS11P8-M0L</b>	<b>PS31M-CS11RT-M0L</b>
Slow 1NO+1NC	⊕	<b>PS31M-CT11PO-M0L</b>	<b>PS31M-CT11PY-M0L</b>	<b>PS31M-CT11P8-M0L</b>	<b>PS31M-CT11RT-M0L</b>

				
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Dimensions WxHxD (mm)	31.5 x 74 x 16 1m PVC cable	31.5 x 84.8 x 16 1m PVC cable	31.5 x 84.8 x 16 1m PVC cable	31.5 x 86...158 x 38.9 1m PVC cable
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### PS21M (metal\*) References contact block

Snap 1NO+1NC	⊕	<b>PS21M-CS11PO-M0L</b>	<b>PS21M-CS11PY-M0L</b>	<b>PS21M-CS11P8-M0L</b>	<b>PS21M-CS11RT-M0L</b>
Slow 1NO+1NC	⊕	<b>PS21M-CT11PO-M0L</b>	<b>PS21M-CT11PY-M0L</b>	<b>PS21M-CT11P8-M0L</b>	<b>PS21M-CT11RT-M0L</b>

### General specifications (for all types)

Mechanical life	>10 000 000 cycles	Rated thermal current (Ith)	10 A (IEC947-5-1)
Operating frequency	3600 cycles/h	Rated insulation voltage (Ui)	400 VAC (IEC947-5-1)
Operating Speed	1...1500 mm/s	Insulation resistance (500 VDC)	2 MΩ
Rated operating current (Ie)	1.5 A/230 V (Cat. AC15)	Degree of protection	IP 67
	1.1 A/24 V (Cat. DC13)	Approvals	CE - UL (upon request)

\* Also available in thermoplastic (T type)

## Limit switches - Limit type

### Head Types

**PO**  
Plain plunger

**PR**  
Roller plunger

**RH**  
Plastic roller plunger

**RT**  
Nylon roller lever



### Family: L

	PS21	PS21	PS21	PS21
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions WxHxD (mm)	30.3 x 73 x 30	30.3 x 84 x 30	30.3 x 92 x 30	30.3 x 106 x 45

### References contact block

Snap 1NO+1NC	⊕	PS21L-PS11PO-T00	PS21L-PS11PR-T00	PS21L-PS11RH-T00	PS21L-PS11RT-T00
Slow 1NO+1NC	⊕	PS21L-PT11PO-T00	PS21L-PT11PR-T00	PS21L-PT11RH-T00	PS21L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS21L-PO11PO-T00	PS21L-PO11PR-T00	PS21L-PO11RH-T00	PS21L-PO11RT-T00
Slow 2NO		PS21L-PT20PO-T00	PS21L-PT20PR-T00	PS21L-PT20RH-T00	PS21L-PT20RT-T00
Slow 2NC	⊖	PS21L-PT02PO-T00	PS21L-PT02PR-T00	PS21L-PT02RH-T00	PS21L-PT02RT-T00
Snap 2NC	⊖	PS21L-PS02PO-T00	PS21L-PS02PR-T00	PS21L-PS02RH-T00	PS21L-PS02RT-T00



### Family: L

	PS42	PS42	PS42	PS42
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	57 x 66 x 33	57 x 77 x 33	57 x 85 x 33	57 x 99 x 45

### References contact block

Snap 1NO+1NC	⊕	PS42L-PS11PO-T00	PS42L-PS11PR-T00	PS42L-PS11RH-T00	PS42L-PS11RT-T00
Slow 1NO+1NC	⊕	PS42L-PT11PO-T00	PS42L-PT11PR-T00	PS42L-PT11RH-T00	PS42L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS42L-PO11PO-T00	PS42L-PO11PR-T00	PS42L-PO11RH-T00	PS42L-PO11RT-T00
Slow 2NO		PS42L-PT20PO-T00	PS42L-PT20PR-T00	PS42L-PT20RH-T00	PS42L-PT20RT-T00
Slow 2NC	⊖	PS42L-PT02PO-T00	PS42L-PT02PR-T00	PS42L-PT02RH-T00	PS42L-PT02RT-T00
Snap 2NC	⊖	PS42L-PS02PO-T00	PS42L-PS02PR-T00	PS42L-PS02RH-T00	PS42L-PS02RT-T00

## Limit switches - Limit type

**Head types**      **W1** Adjustable lever with Ø50 rubber roller      **R1** Adjustable lever with Ø18 nylon roller      **BE** Ø18 nylon roller lever      **LW** Stainless steel spring cat whisker



### Family: L

	PS21	PS21	PS21	PS21
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions WxHxD (mm)	30.3 x (126.5-186.5) x 52	30.3 x (98.5-170.5) x 45.5	30.3 x 114 x 33	30.3 x 188 x 30

### References contact block

Snap 1NO+1NC	⊕	PS21L-PS11W1-T00	PS21L-PS11R1-T00	PS21L-PS11BE-T00	PS21L-PS11LW-T00
Slow 1NO+1NC	⊕	PS21L-PT11W1-T00	PS21L-PT11R1-T00	PS21L-PT11BE-T00	PS21L-PT11LW-T00
Slow Ov.**1NO+1NC	⊕	PS21L-PO11W1-T00	PS21L-PO11R1-T00	PS21L-PO11BE-T00	PS21L-PO11LW-T00
Slow 2NO		PS21L-PT20W1-T00	PS21L-PT20R1-T00	PS21L-PT20BE-T00	PS21L-PT20LW-T00
Slow 2NC	⊕	PS21L-PT02W1-T00	PS21L-PT02R1-T00	PS21L-PT02BE-T00	PS21L-PT02LW-T00
Snap 2NC	⊕	PS21L-PS02W1-T00	PS21L-PS02R1-T00	PS21L-PS02BE-T00	PS21L-PS02LW-T00



### Family: L

	PS42	PS42	PS42	PS42
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	57 x (118.5-177) x 33	57 x (91.5-163.5) x 33	57 x 107 x 33	57 x 181 x 45

### References contact block

Snap 1NO+1NC	⊕	PS42L-PS11W1-T00	PS42L-PS11R1-T00	PS42L-PS11BE-T00	PS42L-PS11LW-T00
Slow 1NO+1NC	⊕	PS42L-PT11W1-T00	PS42L-PT11R1-T00	PS42L-PT11BE-T00	PS42L-PT11LW-T00
Slow Ov.**1NO+1NC	⊕	PS42L-PO11W1-T00	PS42L-PO11R1-T00	PS42L-PO11BE-T00	PS42L-PO11LW-T00
Slow 2NO		PS42L-PT20W1-T00	PS42L-PT20R1-T00	PS42L-PT20BE-T00	PS42L-PT20LW-T00
Slow 2NC	⊕	PS42L-PT02W1-T00	PS42L-PT02R1-T00	PS42L-PT02BE-T00	PS42L-PT02LW-T00
Snap 2NC	⊕	PS42L-PS02W1-T00	PS42L-PS02R1-T00	PS42L-PS02BE-T00	PS42L-PS02LW-T00

### General specifications (for all types)

Degree of protection	IP 65 (plastic body) IP 66 (metal body)	Rated operational current	
Rated insulation voltage plastic body	(U <sub>i</sub> )	le/AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	le/AC-13 24 VDC	2.8 V
according to UL 508, CSA C22-2 n°14	A 600, Q 600	Electrical durability (according to IEC 60947-5-1 annex C)	
Rated insulation voltage metal body	(U <sub>i</sub> )	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V (plastic body)	load factor	0.5
according to UL 508, CSA C22-2 n°14	500 V (PS31, PS43)	Air temperature near the device	
according to UL 508, CSA C22-2 n°14	A 300, Q 300 (PS21, PS42)	during operation	-25 to +70°C
according to UL 508, CSA C22-2 n°14	A 600, Q 600 (PS31, PS43)	for storage	-30 to +80°C
Conventional enclosed thermal voltage (U <sub>imp</sub> )	6 kV	Approvals	CE - UL - CSA

\* also available in metal (M type)

\*\* Ov. : overlapping travel paths

## Limit switches - Limit type

### Head types

**PO**  
Plain plunger

**PR**  
Roller plunger

**RH**  
Plastic roller lever

**RT**  
Nylon roller lever



### Family: L

	PS43 Metal	PS43 Metal	PS43 Metal	PS43 Metal
Dimensions HxWxD (mm)	66 x 102.5 x 43	66 x 115.5 x 43	67 x 129.5 x 43	66 x 128.5 x 61.5

### References contact block

Snap 1NO+1NC	⊕	PS43L-PS11PO-M00	PS43L-PS11PR-M00	PS43L-PS11RH-M00	PS43L-PS11RT-M00
Slow 1NO+1NC	⊕	PS43L-PT11PO-M00	PS43L-PT11PR-M00	PS43L-PT11RH-M00	PS43L-PT11RT-M00
Slow Ov.**1NO+1NC	⊕	PS43L-PO11PO-M00	PS43L-PO11PR-M00	PS43L-PO11RH-M00	PS43L-PO11RT-M00
Slow 2NO		PS43L-PT20PO-M00	PS43L-PT20PR-M00	PS43L-PT20RH-M00	PS43L-PT20RT-M00
Slow 2NC	⊕	PS43L-PT02PO-M00	PS43L-PT02PR-M00	PS43L-PT02RH-M00	PS43L-PT02RT-M00
Snap 2NC	⊕	PS43L-PS02PO-M00	PS43L-PS02PR-M00	PS43L-PS02RH-M00	PS43L-PS02RT-M00
Slow 1NO+2NC	⊕	PS43L-PT12PO-M00	PS43L-PT12PR-M00	PS43L-PT12RH-M00	PS43L-PT12RT-M00
Slow 2NO+1NC	⊕	PS43L-PT21PO-M00	PS43L-PT21PR-M00	PS43L-PT21RH-M00	PS43L-PT21RT-M00
Slow 3NC	⊕	PS43L-PT03PO-M00	PS43L-PT03PR-M00	PS43L-PT03RH-M00	PS43L-PT03RT-M00
Slow 3NO		PS43L-PT30PO-M00	PS43L-PT30PR-M00	PS43L-PT30RH-M00	PS43L-PT30RT-M00



### Family: L

	PS31 Thermoplastic*	PS31 Thermoplastic*	PS31 Thermoplastic*	PS31 Thermoplastic*
Dimensions HxWxD (mm)	41 x 104 x 40.5	41 x 117 x 40.5	41 x 121 x 40.5	41 x 130 x 59

### References contact block

Snap 1NO+1NC	⊕	PS31L-PS11PO-T00	PS31L-PS11PR-T00	PS31L-PS11RH-T00	PS31L-PS11RT-T00
Slow 1NO+1NC	⊕	PS31L-PT11PO-T00	PS31L-PT11PR-T00	PS31L-PT11RH-T00	PS31L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS31L-PO11PO-T00	PS31L-PO11PR-T00	PS31L-PO11RH-T00	PS31L-PO11RT-T00
Slow 2NO		PS31L-PT20PO-T00	PS31L-PT20PR-T00	PS31L-PT20RH-T00	PS31L-PT20RT-T00
Slow 2NC	⊕	PS31L-PT02PO-T00	PS31L-PT02PR-T00	PS31L-PT02RH-T00	PS31L-PT02RT-T00
Snap 2NC	⊕	PS31L-PS02PO-T00	PS31L-PS02PR-T00	PS31L-PS02RH-T00	PS31L-PS02RT-T00
Slow 1NO+2NC	⊕	PS31L-PT12PO-T00	PS31L-PT12PR-T00	PS31L-PT12RH-T00	PS31L-PT12RT-T00
Slow 2NO+1NC	⊕	PS31L-PT21PO-T00	PS31L-PT21PR-T00	PS31L-PT21RH-T00	PS31L-PT21RT-T00
Slow 3NC	⊕	PS31L-PT03PO-T00	PS31L-PT03PR-T00	PS31L-PT03RH-T00	PS31L-PT03RT-T00
Slow 3NO	⊕	PS31L-PT30PO-T00	PS31L-PT30PR-T00	PS31L-PT30RH-T00	PS31L-PT30RT-T00

\* also available in metal (M type)

\*\* Ov. : overlapping travel paths

# Limit switches - Limit type

## Head types

**W1** Adjustable lever with Ø50 rubber roller

**R1** Adjustable lever with Ø18 nylon roller

**BE** Ø50 nylon roller lever

**LW** Stainless steel spring cat whisker



## Family: L

	PS43 Metal	PS43 Metal	PS43 Metal	PS43 Metal
Dimensions HxWxD (mm)	62 x (147.5-203.5) x 62.5	62 x (133.5-189.5) x 60	62 x 142.5 x 66	62 x 195,5 x 43

## References contact block

Snap 1NO+1NC	PS43L-PS11W1-M00	PS43L-PS11R1-M00	PS43L-PS11W0-M00	PS43L-PS11LW-M00
Slow 1NO+1NC	PS43L-PT11W1-M00	PS43L-PT11R1-M00	PS43L-PT11W0-M00	PS43L-PT11LW-M00
Slow Ov.**1NO+1NC	PS43L-PO11W1-M00	PS43L-PO11R1-M00	PS43L-PO11W0-M00	PS43L-PO11LW-M00
Slow 2NO	PS43L-PT20W1-M00	PS43L-PT20R1-M00	PS43L-PT20W0-M00	PS43L-PT20LW-M00
Slow 2NC	PS43L-PT02W1-M00	PS43L-PT02R1-M00	PS43L-PT02W0-M00	PS43L-PT02LW-M00
Snap 2NC	PS43L-PS02W1-M00	PS43L-PS02R1-M00	PS43L-PS02W0-M00	PS43L-PS02LW-M00
Slow 1NO+2NC	PS43L-PT12W1-M00	PS43L-PT12R1-M00	PS43L-PT12W0-M00	PS43L-PT12LW-M00
Slow 2NO+1NC	PS43L-PT21W1-M00	PS43L-PT21R1-M00	PS43L-PT21W0-M00	PS43L-PT21LW-M00
Slow 3NC	PS43L-PT03W1-M00	PS43L-PT03R1-M00	PS43L-PT03W0-M00	PS43L-PT03LW-M00
Slow 3NO	PS43L-PT30W1-M00	PS43L-PT30R1-M00	PS43L-PT30W0-M00	PS43L-PT30LW-M00



## Family: L

	PS31 Thermoplastic*	PS31 Thermoplastic*	PS31 Thermoplastic*	PS31 Thermoplastic*
Dimensions HxWxD (mm)	50 x (149-205) x 65	41 x (135-191) x 60	50 x 144 x 64.5	41 x 195 x 40.5

## References contact block

Snap 1NO+1NC	PS31L-PS11W1-T00	PS31L-PS11R1-T00	PS31L-PS11W0-T00	PS42L-PS11LW-T00
Slow 1NO+1NC	PS31L-PT11W1-T00	PS31L-PT11R1-T00	PS31L-PT11W0-T00	PS42L-PT11LW-T00
Slow Ov.**1NO+1NC	PS31L-PO11W1-T00	PS31L-PO11R1-T00	PS31L-PO11W0-T00	PS31L-PO11LW-T00
Slow 2NO	PS31L-PT20W1-T00	PS31L-PT20R1-T00	PS31L-PT20W0-T00	PS31L-PT20LW-T00
Slow 2NC	PS31L-PT02W1-T00	PS31L-PT02R1-T00	PS31L-PT02W0-T00	PS31L-PT02LW-T00
Snap 2NC	PS31L-PS02W1-T00	PS31L-PS02R1-T00	PS31L-PS02W0-T00	PS31L-PS02LW-T00
Slow 1NO+2NC	PS31L-PT12W1-T00	PS31L-PT12R1-T00	PS31L-PT12W0-T00	PS31L-PT12LW-T00
Slow 2NO+1NC	PS31L-PT21W1-T00	PS31L-PT21R1-T00	PS31L-PT21W0-T00	PS31L-PT21LW-T00
Slow 3NC	PS31L-PT03W1-T00	PS31L-PT03R1-T00	PS31L-PT03W0-T00	PS31L-PT03LW-T00
Slow 3NO	PS31L-PT30W1-T00	PS31L-PT30R1-T00	PS31L-PT30W0-T00	PS31L-PT30LW-T00

## General specifications (for all types)

Degree of protection	IP 65 (plastic body) IP 66 (metal body)	Rated operational current	
Rated insulation voltage plastic body	(U <sub>i</sub> )	le/AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	le/AC-13 24 VDC	2.8 V
according to UL 508, CSA C22-2 n°14	A 600, Q 600	Electrical durability (according to IEC 60947-5-1 annex C)	
Rated insulation voltage metal body	(U <sub>i</sub> )	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V (PS21, PS42) 500 V (PS31, PS43)	load factor	0.5
according to UL 508, CSA C22-2 n°14	A 300, Q 300 (PS21, PS42) A 600, Q 600 (PS31, PS43)	Air temperature near the device	
Conventional enclosed thermal voltage (U <sub>imp</sub> )	6 kV	during operation	-25 to +70°C
		for storage	-30 to +80°C
		Approvals	CE - UL - CSA

\* also available in metal (M type)

\*\* Ov. : overlapping travel paths

## Limit switches - Safety type

### Head types

Key Actuator 90° adj. head (key must be ordered separately)



### Family: S

	PS21	PS42	PS31	PS43
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	30.3 x 90 x 30	57 x 83 x 33	41.3 x 109.5 x 41	43 x 104.5 x 66

### References contact block

Snap 1NO+1NC	⊕	PS21S-PS1105-T00	PS42S-PS1105-T00	PS31S-PS1105-T00	PS43S-PS1105-Y00
Snap 2NC	⊕	PS21S-PS0205-T00	PS42S-PS0205-T00	PS31S-PS0205-T00	PS43S-PS0205-Y00
Slow 1NO+1NC	⊕	PS21S-PT1105-T00	PS42S-PT1105-T00	PS31S-PT1105-T00	PS43S-PT1105-Y00
Slow Ov.**1NO+1NC	⊕	PS21S-PO1105-T00	PS42S-PO1105-T00	PS31S-PO1105-T00	PS43S-PO1105-Y00
Slow 2NC	⊕	PS21S-PT0205-T00	PS42S-PT0205-T00	PS31S-PT0205-T00	PS43S-PT0205-Y00
Slow 2NO+1NC	⊕			PS31S-PT2105-T00	PS43S-PT2105-Y00
Slow 1NO+2NC	⊕			PS31S-PT1205-T00	PS43S-PT1205-Y00
Slow 3NC	⊕			PS31S-PT0305-T00	PS43S-PT0305-Y00

### Head types

Key actuator fully turnable head (key must be ordered separately)

Hinge Switch Operated lever\*



### Family: S / H

	PS21	PS42	PS21	PS42
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	30.3 x 98.6 x 30	57 x 91.5 x 33	30.3 x 157 x 42	57 x 150 x 42

### References contact block

Snap 1NO+1NC	⊕	PS21S-PS1109-T00	PS42S-PS1109-T00	PS21H-PS11HC-T00	PS42H-PS11HC-T00
Snap 2NC	⊕	PS21S-PS0209-T00	PS42S-PS0209-T00	PS21H-PS02HC-T00	PS42H-PS02HC-T00
Slow 1NO+1NC	⊕	PS21S-PT1109-T00	PS42S-PT1109-T00	PS21H-PT11HC-T00	PS42H-PT11HC-T00
Slow Ov.**1NO+1NC	⊕	PS21S-PO1109-T00	PS42S-PO1109-T00	PS21H-PO11HC-T00	PS42H-PO11HC-T00
Slow 2NC	⊕	PS21S-PT0209-T00	PS42S-PT0209-T00	PS21H-PT02HC-T00	PS42H-PT02HC-T00

### Head types

Hinge shaft Zinc plated steel

Hinge Shaft Stainless steel



### Family: H

	PS21	PS42	PS21	PS42
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	30.3 x 79.5 x 51.2	57 x 72.5 x 52.5	30.3 x 79.5 x 51.2	30.3 x 72.5 x 52.5

### References Contact Block

Snap 1NO+1NC	⊕	PS21H-PS11HZ-T00	PS42H-PS11HZ-T00	PS21H-PS11HS-T00	PS42H-PS11HS-T00
Snap 2NC	⊕	PS21H-PS02HZ-T00	PS42H-PS02HZ-T00	PS21H-PS02HS-T00	PS42H-PS02HS-T00
Slow 1NO+1NC	⊕	PS21H-PT11HZ-T00	PS42H-PT11HZ-T00	PS21H-PT11HS-T00	PS42H-PT11HS-T00
Slow Ov.**1NO+1NC	⊕	PS21H-PO11HZ-T00	PS42H-PO11HZ-T00	PS21H-PO11HS-T00	PS42H-PO11HS-T00
Slow 2NC	⊕	PS21H-PT02HZ-T00	PS42H-PT02HZ-T00	PS21H-PT02HS-T00	PS42H-PT02HS-T00

\* also available in metal (M type)

\*\* Ov. : overlapping travel paths

# Limit switches - Safety type

## Head types

Pull wire activated head  
16m cable max



## Family: R

	PS31 Metal	PS43 Metal
Dimensions HxWxD (mm)	40 x 162.75 x 43	63 x 158.25 x 43.3
<b>References contact block</b>		
Snap 1NO+1NC	PS31R-PS11N7-Y00	PS43R-PS11N7-Y00
Snap 2NC	PS31R-PS02N7-Y00	PS43R-PS02N7-Y00
Slow 1NO+1NC	PS31R-PT11N7-Y00	PS43R-PT11N7-Y00
Slow Ov.**1NO+1NC	PS31R-PO11N7-Y00	PS43R-PO11N7-Y00
Slow 2NC	PS31R-PT02N7-Y00	PS43R-PT02N7-Y00
Slow 2NO+1NC	PS31R-PT21N7-Y00	PS43R-PT21N7-Y00
Slow 1NO+2NC	PS31R-PT12N7-Y00	PS43R-PT12N7-Y00
Slow 3NC	PS31R-PT03N7-Y00	PS43R-PT03N7-Y00

## Head types

Pull wire activated head  
with pull button reset - 16m cable max



## Family: H

	PS31 Metal	PS43 Metal
Dimensions HxWxD (mm)	40 x 162.75 x 43	63 x 158.25 x 44
<b>References contact block</b>		
Snap 1NO+1NC	PS31R-PS11N7-YK0	PS43R-PS11N7-YK0
Snap 2NC	PS31R-PS02N7-YK0	PS43R-PS02N7-YK0
Slow 1NO+1NC	PS31R-PT11N7-YK0	PS43R-PT11N7-YK0
Slow Ov.**1NO+1NC	PS31R-PO11N7-YK0	PS43R-PO11N7-YK0
Slow 2NC	PS31R-PT02N7-YK0	PS43R-PT02N7-YK0
Slow 2NO+1NC	PS31R-PT21N7-YK0	PS43R-PT21N7-YK0
Slow 1NO+2NC	PS31R-PT12N7-YK0	PS43R-PT12N7-YK0
Slow 3NC	PS31R-PT03N7-YK0	PS43R-PT03N7-YK0

## General specifications (for all types)

Degree of protection	IP 65 (plastic body) IP 66 (metal body)	Rated operational current
Rated insulation voltage plastic body (U <sub>i</sub> )	500 V	I <sub>e</sub> /AC-15 230 VAC 3.1 A I <sub>e</sub> /AC-13 24 VDC 2.8 V
according to IEC 60947-1 and EN 60947-1	A 600, Q 600	Electrical durability (according to IEC 60947-5-1 annex C)
according to UL 508, CSA C22-2 n°14	400 V (PS21, PS42) 500 V (PS31, PS43)	max. switching frequency Cycles/h load factor 0.5
Rated insulation voltage metal body (U <sub>i</sub> )	A 300, Q 300 (PS21, PS42) A 600, Q 600 (PS31, PS43)	Air temperature near the device
according to IEC 60947-1 and EN 60947-1		during operation -25 to +70°C for storage -30 to +80°C
Conventional enclosed thermal voltage (U <sub>imp</sub> )	6 kV	Approvals CE - UL - CSA

\* also available in metal (Y type) \*\* Ov. : overlapping travel paths

# Limit switches - Safety type with pull button reset

## Head Types

**PO**  
Steel plunger

**PR** Steel plunger  
with nylon roller

**R3** Plastic roller lever  
on metal plunger

**RT** Lever with  
nylon roller



## Family: K

	PS21	PS21	PS21	PS21
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	30.3 x 88 x 36.5	30.3 x 99 x 36.5	30.3 x 107 x 36.5	39 x 106 x 45

## References contact block

Snap 1NO+1NC	⊕	PS21K-PS11PO-T00	PS21K-PS11PR-T00	PS21K-PS11R3-T00	PS43S-PS1105-Y00
Snap 2NC	⊕	PS21K-PS02PO-T00	PS21K-PS02PR-T00	PS21K-PS02R3-T00	PS43S-PS0205-Y00
Slow 1NO+1NC	⊕	PS21K-PT11PO-T00	PS21K-PT11PR-T00	PS21K-PT11R3-T00	PS43S-PT1105-Y00
Slow 2NC	⊕	PS21K-PT02PO-T00	PS21K-PT02PR-T00	PS21K-PT02R3-T00	PS21K-PT02RT-T00



## Family: K

	PS42	PS42	PS42	PS42
	Thermoplastic*	Thermoplastic*	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	57 x 81 x 36.5	57 x 92 x 36.5	57 x 100 x 36.5	57 x 99 x 45

## References contact block

Snap 1NO+1NC	⊕	PS42K-PS11PO-T00	PS42K-PS11PR-T00	PS42K-PS11R3-T00	PS42K-PS11RT-T00
Snap 2NC	⊕	PS42K-PS02PO-T00	PS42K-PS02PR-T00	PS42K-PS02R3-T00	PS42K-PS02RT-T00
Slow 1NO+1NC	⊕	PS42K-PT11PO-T00	PS42K-PT11PR-T00	PS42K-PT11R3-T00	PS42K-PT11RT-T00
Slow 2NC	⊕	PS42K-PT02PO-T00	PS42K-PT02PR-T00	PS42K-PT02R3-T00	PS42K-PT02RT-T00

## Head Types

**R4** Roller Lever,  
external side actuation

**LR** Roller Lever Ø22,  
side actuation



## Family: K

	PS21	PS42
	Thermoplastic*	Thermoplastic*
Dimensions HxWxD (mm)	44 x 107 x 36.5	57 x 112 x 36.5

## References contact block

Snap 1NO+1NC	⊕	PS21K-PS11R4-T00	PS42K-PS11LR-T00
Snap 2NC	⊕	PS21K-PS02R4-T00	PS42K-PS02LR-T00
Slow 1NO+1NC	⊕	PS21K-PT11R4-T00	PS42K-PT11LR-T00
Slow 2NC	⊕	PS21K-PT02R4-T00	PS42K-PT02LR-T00




## General specifications (for all types)

Degree of protection	IP 65	Rated operational current	
Rated insulation voltage plastic body	(U <sub>i</sub> )	le/AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	le/AC-13 24 VDC	2.8 V
according to UL 508, CSA C22-2 n°14	A 600, Q 600	Electrical durability (according to IEC 60947-5-1 annex C)	
Rated insulation voltage metal body	(U <sub>i</sub> )	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V	load factor	0.5
	500 V	Air temperature near the device	
according to UL 508, CSA C22-2 n°14	A 300, Q 300 (PS21, PS42)	during operation	-25 to +70°C
	A 600, Q 600 (PS31, PS43)	for storage	-30 to +80°C
Conventional enclosed thermal voltage (U <sub>imp</sub> )	6 kV	Approvals	CE - UL - CSA

\* Also available in metal (Y type) other types available



## Limit switches - Safety type

Head types	Safety hinge	Safety hinge	Safety hinge
			
<b>Family: PS38H</b>			
	PS38H M12 connector	PS38H 2m cable	PS38H 2m cable back output
Material body	Thermoplastic	Thermoplastic	Thermoplastic
Dimensions WxHxD (mm)	60 x 110 x 15	60 x 110 x 15	60 x 110 x 15
<b>References contact block</b>			
Slow action T22: 2NO + 2NC	<b>PS38H-IT2205-T01</b>	<b>PS38H-CT2205-T01</b>	<b>PS38H-CT2205-T02</b>
Slow action T13: 1NO + 3NC	<b>PS38H-IT1305-T01</b>	<b>PS38H-CT1305-T01</b>	<b>PS38H-CT1305-T02</b>
<b>General specifications (for all types)</b>			
Conformance	IEC 947-5-1 and European EN 60947-5-1 standards.Safety system of machinery up to SIL 3 or PLe according to EN ISO 13849-1.	IEC 947-5-1 and European EN 60947-5-1 standards.Safety system of machinery up to SIL 3 or PLe according to EN ISO 13849-1.	IEC 947-5-1 and European EN 60947-5-1 standards.Safety system of machinery up to SIL 3 or PLe according to EN ISO 13849-1.
Air temperature near the device	Operation - 20°C to + 80°C Storage - 20°C to + 80°C	Operation - 20°C to + 80°C Storage - 20°C to + 80°C	Operation - 20°C to + 80°C Storage - 20°C to + 80°C
Degree of protection	IP67	IP67	IP67
Mechanical durability	1.000.000 operations	1.000.000 operations	1.000.000 operations
Operation frequency	1.200 cycles/h	1.200 cycles/h	1.200 cycles/h
B10d	2.000.000 cycles	2.000.000 cycles	2.000.000 cycles
Positive opening operation (according to IEC 947-5-1)	All NC contacts are positive opening operation (min. actuating torque 0,5 Nm)	All NC contacts are positive opening operation (min. actuating torque 0,5 Nm)	All NC contacts are positive opening operation (min. actuating torque 0,5 Nm)
Rated insulation voltage Ui	30 V	400 V	400 V
Protection against electrical shocks (according to IEC 536)	Class II	Class II	Class II
Thermal current Ith	2 A	4 A	4 A
Rated operational current	24 VDC - 2A	24 - 120 - 250 - 400 VCA 4 A 24 VDC 2A / 125 VDC 0,4 A / 250 VDC 0,3 A	24 - 120 - 250 - 400 VCA 4A 24 VDC 2 A / 125 VDC 0,4 A / 250 VDC 0,3 A
Approvals	CE - UL - CSA	CE - UL - CSA	CE - UL - CSA