

Limit switches - Safety hinge

Head types

Safety hinge

Safety hinge

Safety hinge



Family: PS38H

	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

References contact block

Slow action T22: 2NO + 2NC	PS38H-IT2205-T01	PS38H-CT2205-T01	PS38H-CT2205-T02
Slow action T13: 1NO + 3NC	PS38H-IT1305-T01	PS38H-CT1305-T01	PS38H-CT1305-T02

General specifications (for all types)

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	IP 67	IP 67	IP 67
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 VAC 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

Limit switches - Miniature type

Head Types		PO Plain plunger	PY Nylon roller plunger	P8 Cross nylon roller plunger	RT Ø14 Nylon roller lever
					
Dimensions HxWxD (mm)		35 x 60 x 16 1 m PVC cable	35 x 70 x 16 1 m PVC cable	35 x 70 x 16 1 m PVC cable	35 x 92 x 29.5 1 m PVC cable
PS31M (metal*) References contact block					
Snap 1NO+1NC	⊕	PS31M-CS11P0-M00	PS31M-CS11PY-M00	PS31M-CS11P8-M00	PS31M-CS11RT-M00
Slow 1NO+1NC	⊕	PS31M-CT11P0-M00	PS31M-CT11PY-M00	PS31M-CT11P8-M00	PS31M-CT11RT-M00
					
Dimensions WxHxD (mm)		31.5 x 60 x 16 1 m PVC cable	31.5 x 70 x 16 1 m PVC cable	31.5 x 70 x 16 1 m PVC cable	31.5 x 92 x 29.5 1 m PVC cable
PS21M (metal*) References contact block					
Snap 1NO+1NC	⊕	PS21M-CS11P0-M00	PS21M-CS11PY-M00	PS21M-CS11P8-M00	PS21M-CS11RT-M00
Slow 1NO+1NC	⊕	PS21M-CT11P0-M00	PS21M-CT11PY-M00	PS21M-CT11P8-M00	PS21M-CT11RT-M00
Head Types		Plain plunger with fixing nuts	Roller plunger with fixing nuts	Cross roller plunger with fixing nuts	R1 Adjustable lever with Ø18 nylon roller
					
Dimensions (mm) WxHxD		35 x 74 x 16 1 m PVC cable	35 x 84.8 x 16 1 m PVC cable	35 x 84.8 x 16 1 m PVC cable	35 x 86...158 x 38.9 1 m PVC cable
PS31M (metal*) References contact block					
Snap 1NO+1NC	⊕	PS31M-CS11P0-M0L	PS31M-CS11PY-M0L	PS31M-CS11P8-M0L	PS31M-CS11RT-M0L
Slow 1NO+1NC	⊕	PS31M-CT11P0-M0L	PS31M-CT11PY-M0L	PS31M-CT11P8-M0L	PS31M-CT11RT-M0L
					
Dimensions WxHxD (mm)		31.5 x 74 x 16 1 m PVC cable	31.5 x 84.8 x 16 1 m PVC cable	31.5 x 84.8 x 16 1 m PVC cable	31.5 x 86...158 x 38.9 1 m PVC cable
PS21M (metal*) References contact block					
Snap 1NO+1NC	⊕	PS21M-CS11P0-M0L	PS21M-CS11PY-M0L	PS21M-CS11P8-M0L	PS21M-CS11RT-M0L
Slow 1NO+1NC	⊕	PS21M-CT11P0-M0L	PS21M-CT11PY-M0L	PS21M-CT11P8-M0L	PS21M-CT11RT-M0L
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-PS11P0-T00	PS21L-PS11PR-T00	PS21L-PS11RH-T00	PS21L-PS11RT-T00
Slow 1NO+1NC	⊕	PS21L-PT11P0-T00	PS21L-PT11PR-T00	PS21L-PT11RH-T00	PS21L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS21L-PO11P0-T00	PS21L-PO11PR-T00	PS21L-PO11RH-T00	PS21L-PO11RT-T00
Slow 2NO		PS21L-PT20P0-T00	PS21L-PT20PR-T00	PS21L-PT20RH-T00	PS21L-PT20RT-T00
Slow 2NC	⊕	PS21L-PT02P0-T00	PS21L-PT02PR-T00	PS21L-PT02RH-T00	PS21L-PT02RT-T00
Snap 2NC	⊕	PS21L-PS02P0-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-PS11P0-T00	PS42L-PS11PR-T00	PS42L-PS11RH-T00	PS42L-PS11RT-T00
Slow 1NO+1NC	⊕	PS42L-PT11P0-T00	PS42L-PT11PR-T00	PS42L-PT11RH-T00	PS42L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS42L-PO11P0-T00	PS42L-PO11PR-T00	PS42L-PO11RH-T00	PS42L-PO11RT-T00
Slow 2NO		PS42L-PT20P0-T00	PS42L-PT20PR-T00	PS42L-PT20RH-T00	PS42L-PT20RT-T00
Slow 2NC	⊕	PS42L-PT02P0-T00	PS42L-PT02PR-T00	PS42L-PT02RH-T00	PS42L-PT02RT-T00
Snap 2NC	⊕	PS42L-PS02P0-T00	PS42L-PS02PR-T00	PS42L-PS02RH-T00	PS42L-PS02RT-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 _i)	I _e /AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	I _e /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 _i)	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V (PS21, PS42)	load factor	0.5
	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
	A 600, Q 600 (PS31, PS43)	for storage	-30 to +80°C
Conventional enclosed thermal voltage (U _{imp})	6 kV	Approvals	CE - UL - CSA

* also available in metal (Y 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 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 _i)	I _e /AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	I _e /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 _i)	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V (plastic body)	load factor	0.5
	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
	A 600, Q 600 (PS31, PS43)	for storage	-30 to +80°C
Conventional enclosed thermal voltage (U _{imp})	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	PS43	PS43	PS43
	Metal	Metal	Metal	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-PS11P0-M00	PS43L-PS11PR-M00	PS43L-PS11RH-M00	PS43L-PS11RT-M00
Slow 1NO+1NC	⊕	PS43L-PT11P0-M00	PS43L-PT11PR-M00	PS43L-PT11RH-M00	PS43L-PT11RT-M00
Slow Ov.**1NO+1NC	⊕	PS43L-PO11P0-M00	PS43L-PO11PR-M00	PS43L-PO11RH-M00	PS43L-PO11RT-M00
Slow 2NO		PS43L-PT20P0-M00	PS43L-PT20PR-M00	PS43L-PT20RH-M00	PS43L-PT20RT-M00
Slow 2NC	⊕	PS43L-PT02P0-M00	PS43L-PT02PR-M00	PS43L-PT02RH-M00	PS43L-PT02RT-M00
Snap 2NC	⊕	PS43L-PS02P0-M00	PS43L-PS02PR-M00	PS43L-PS02RH-M00	PS43L-PS02RT-M00
Slow 1NO+2NC	⊕	PS43L-PT12P0-M00	PS43L-PT12PR-M00	PS43L-PT12RH-M00	PS43L-PT12RT-M00
Slow 2NO+1NC	⊕	PS43L-PT21P0-M00	PS43L-PT21PR-M00	PS43L-PT21RH-M00	PS43L-PT21RT-M00
Slow 3NC	⊕	PS43L-PT03P0-M00	PS43L-PT03PR-M00	PS43L-PT03RH-M00	PS43L-PT03RT-M00
Slow 3NO		PS43L-PT30P0-M00	PS43L-PT30PR-M00	PS43L-PT30RH-M00	PS43L-PT30RT-M00



Family: L

	PS31	PS31	PS31	PS31
	Thermoplastic*	Thermoplastic*	Thermoplastic*	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-PS11P0-T00	PS31L-PS11PR-T00	PS31L-PS11RH-T00	PS31L-PS11RT-T00
Slow 1NO+1NC	⊕	PS31L-PT11P0-T00	PS31L-PT11PR-T00	PS31L-PT11RH-T00	PS31L-PT11RT-T00
Slow Ov.**1NO+1NC	⊕	PS31L-PO11P0-T00	PS31L-PO11PR-T00	PS31L-PO11RH-T00	PS31L-PO11RT-T00
Slow 2NO		PS31L-PT20P0-T00	PS31L-PT20PR-T00	PS31L-PT20RH-T00	PS31L-PT20RT-T00
Slow 2NC	⊕	PS31L-PT02P0-T00	PS31L-PT02PR-T00	PS31L-PT02RH-T00	PS31L-PT02RT-T00
Snap 2NC	⊕	PS31L-PS02P0-T00	PS31L-PS02PR-T00	PS31L-PS02RH-T00	PS31L-PS02RT-T00
Slow 1NO+2NC	⊕	PS31L-PT12P0-T00	PS31L-PT12PR-T00	PS31L-PT12RH-T00	PS31L-PT12RT-T00
Slow 2NO+1NC	⊕	PS31L-PT21P0-T00	PS31L-PT21PR-T00	PS31L-PT21RH-T00	PS31L-PT21RT-T00
Slow 3NC	⊕	PS31L-PT03P0-T00	PS31L-PT03PR-T00	PS31L-PT03RH-T00	PS31L-PT03RT-T00
Slow 3NO	⊕	PS31L-PT30P0-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	PS43	PS43	PS43
	Metal	Metal	Metal	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	PS31	PS31	PS31
	Thermoplastic*	Thermoplastic*	Thermoplastic*	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 _i)	I _e /AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	I _e /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 _i)	max. switching frequency Cycles/h	3600
according to IEC 60947-1 and EN 60947-1	400 V (PS21, PS42)	load factor	0.5
	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
	A 600, Q 600 (PS31, PS43)	for storage	-30 to +80°C
Conventional enclosed thermal voltage (U _{imp})	6 kV	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

CARLO GAVAZZI Automation Components. Specifications are subject to change without notice. Illustrations are for example only.

Switches

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Courtesy of Steven Engineering, Inc. - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

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

References contact block

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

References contact block

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 _i)	Ie/AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	Ie/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 _i)	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 _{imp})	6 kV	during operation	-25 to +70°C
		for storage	-30 to +80°C
		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-PS11P0-T00	PS21K-PS11PR-T00	PS21K-PS11R3-T00	PS43S-PS1105-Y00
Snap 2NC	⊕	PS21K-PS02P0-T00	PS21K-PS02PR-T00	PS21K-PS02R3-T00	PS43S-PS0205-Y00
Slow 1NO+1NC	⊕	PS21K-PT11P0-T00	PS21K-PT11PR-T00	PS21K-PT11R3-T00	PS43S-PT1105-Y00
Slow 2NC	⊕	PS21K-PT02P0-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-PS11P0-T00	PS42K-PS11PR-T00	PS42K-PS11R3-T00	PS42K-PS11RT-T00
Snap 2NC	⊕	PS42K-PS02P0-T00	PS42K-PS02PR-T00	PS42K-PS02R3-T00	PS42K-PS02RT-T00
Slow 1NO+1NC	⊕	PS42K-PT11P0-T00	PS42K-PT11PR-T00	PS42K-PT11R3-T00	PS42K-PT11RT-T00
Slow 2NC	⊕	PS42K-PT02P0-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 _i)	I _e /AC-15 230 VAC	3.1 A
according to IEC 60947-1 and EN 60947-1	500 V	I _e /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 _i)	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 _{imp})	6 kV	Approvals	CE - UL - CSA

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