PN4

PN4



Characteristics	■ precision switching ■ long mechanical life ■ screw terminals
Rating	250 VAC, 15 A
Dimensions (mm)	49 × 22 × 17.5
Actuator	■ plunger ■ plain lever ■ roller lever
Approvals	UL, CSA

Standard

Preferred Range

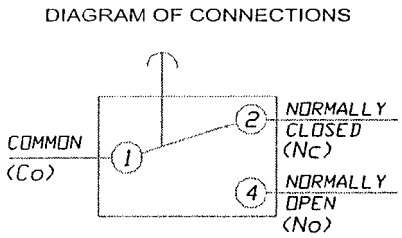
Ordering Reference	Actuating Force (N)	(ozf)	Sealing	Operating pos. (mm)	(in)	Terminal	Circuit	Actuator	Contacts	Electrical rating
PN401	3,8	13,7	IP40	16,0	0,63	Screw/washer	CO	Plunger	Ag	Up to 250 VAC, 15 A
PN4D2	3,8	13,7	IP40	22,2	0,87	Screw/washer	CO	Spring plunger	Ag	Up to 250 VAC, 15 A
PN4K152	0,3	1,08	IP40	25,0	1,00	Screw/washer	CO	Plain lever (length 152 mm, 6.0 in)	Ag	Up to 250 VAC, 15 A
PN4K63	0,9	3,2	IP40	19,0	0,75	Screw/washer	CO	Plain lever (length 63.5 mm, 2.5 in)	Ag	Up to 250 VAC, 15 A
PN4KZ56	1,5	5,4	IP40	8,5	0,33	Screw/washer	CO	Reverse action plain lever	Ag	Up to 250 VAC, 15 A
PN4GK48	1,1	4,0	IP40	30,2	1,19	Screw/washer	CO	Roller lever (length 48.2 mm, 1.90 in)	Ag	Up to 250 VAC, 15 A
PN4GK26	1,7	6,1	IP40	30,2	1,19	Screw/washer	CO	Roller lever (length 26.7 mm, 1.05 in)	Ag	Up to 250 VAC, 15 A
PN41	3,8	13,7	IP40	21,8	0,86	Screw/washer	CO	Long overtravel plunger	Ag	Up to 250 VAC, 15 A
PN4G	3,8	13,7	IP40	33,3	1,31	Screw/washer	CO	Spring plunger, in-line roller	Ag	Up to 250 VAC, 15 A
PN4GH	3,8	13,7	IP40	33,3	1,31	Screw/washer	CO	Spring plunger, across-line roller	Ag	Up to 250 VAC, 15 A

PN4

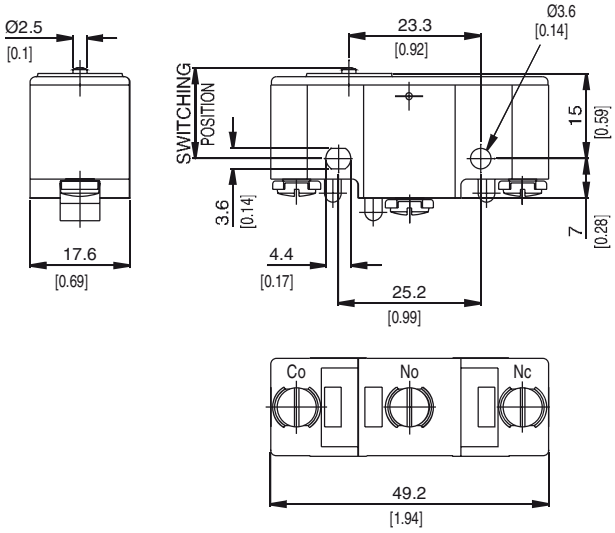
Specifications

Housing	PBT thermoplastic polyester resin
Plunger	PBT thermoplastic polyester resin
Mechanism	Snap-action, single pole
Functions	Change-over
Contacts	Silver
Terminals	Screw terminals with cup washers
Temperature range °C	–10°C to +85°C
Mechanical life	10^6 cycles minimum (impact free actuation)
Protection	IP 40 (enclosure)
Mounting	Side or panel mounting
Actuators	Plain levers - zinc-plated mild steel, Roller levers - zinc-plated mild steel, stainless steel roller

Circuit diagram



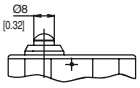
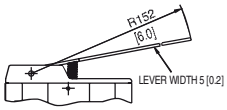
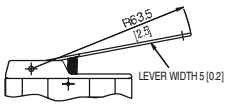
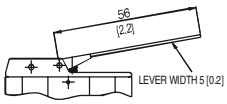
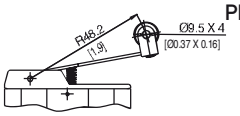
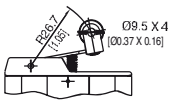
Dimensions



Recommended maximum electrical ratings

Voltage (max)	Load (A)	Horsepower	Approval
250 VAC	15 (0.75 pf)	-	ULS 1054/CSA 22.2 No. 55 - 6,000 operations
125 VAC	15 (0.75 pf)	-	ULS 1054/CSA 22.2 No. 55 - 6,000 operations
250 VAC	-	¼ HP	ULS 1054 - Horsepower - 6,000 operations
125 VAC	-	⅛ HP	ULS 1054 - Horsepower - 6,000 operations
0 - 15 VDC	15	-	General rating - 50,000 operations
15 - 30 VDC	10	-	General rating - 50,000 operations

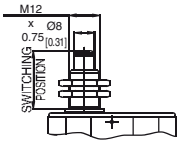
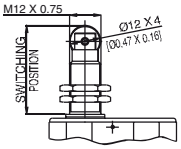
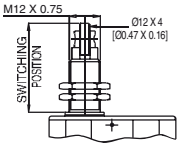
Operating Characteristics

Actuator	Reference	Actuating Force Maximum (N)	(ozf)	Release Force Minimum (N)	(ozf)	Operating Position (mm)	(in)	Movement Differential Minimum (mm)	(in)	Over travel (mm)	(in)
Plunger 	PN401	3,8	13,70	1,3	4,7	16,0 ± 0.4	0,63 ± 0.016)	0,02	0,0008	0.2	0.008
Spring plunger 	PN4D2	3,8	13,70	1,3	4,7	22,2 ± 0.4	0,87 ± 0.016	0,04	0,0016	2.3	0.09
Plain lever 	PN4K152	0,3	1,08	0,1	0,36	25,5 ± 1.5	1,00 ± 0.060	3,0	0,12	10.0	0.39
Lever width: 5 mm, 0.2 in											
Plain lever 	PN4K63	0,9	3,20	0,1	0,36	19 ±0.8	0,75 ± 0.032	1,2	0,047	5.6	0.22
Lever width: 5 mm, 0.2 in											
Reverse action plain lever 	PN4KZ56	1,5	5,40	0,5	1,80	8,5 ± 0.8	0,33 ± 0.032	1,0	0,004	6.0	0.24
Lever width: 5 mm, 0.2 in											
Roller lever 	PN4GK48	1,1	4,00	0,2	0,72	30,2 ± 0.8	1,19 ± 0.032	0,9	0,035	4.2	0.165
Roller lever 	PN4GK26	1,7	6,11	0,2	0,72	30,2 ± 0.8	1,19 ± 0.032	0,5	0,02	2.0	0.079

Standard

PN4

Operating Characteristics

Actuator		Reference	Actuating Force Maximum (N)	(ozf)	Release Force Minimum (N)	(ozf)	Operating Position (mm)	(in)	Movement Differential Minimum (mm)	(in)	Over travel (mm)	(in)
Long overtravel plunger		PN41	3,8	13,70	1,3	4,7	21,8 ± 0.7	0,86 ± 0.028	0,04	0,0016	5.5	0.21
Spring plunger - in-line roller		PN4G	3,8	13,70	1,3	4,7	33,3 ± 1.2	1,31 ± 0.047)	0,04	0,0016	3.5	0.14
Spring plunger - across-line roller		PN4GH	3,8	13,70	1,3	4,7	33,3 ± 1.2	1,31 ± 0.047	0,04	0,0016	3.5	0.14

Ordering Reference

Basic type: PN4 — Example: PN4 01

Actuators	
01	Plain plunger
1	Panel mount plunger
D2	Spring plunger
G	Plunger with in-line roller
GH	Plunger with across-line roller
GK26	Roller lever 26.0 mm
GK35	Roller lever 35 mm
GK48	Roller lever 48.2 mm
GK63	Roller lever 63 mm
K48	Plain lever 48 mm
K63	Plain lever 63.5 mm
K63X	Plain lever 63 mm without spring
K152	Plain lever 152.0 mm
KZ56	Reverse action roller lever 56.0 mm

Special Features: /☐☐☐☐

Burgess specialise in customer specific solutions.
Additional product variants are available or can be provided.
If your requirements cannot be satisfied from the options listed,
please contact www.saia-burgess.com or your local SB outlet.

PN4 Terminal cover / Part No: 3.204.0222