

# V4NC

## V4NC

- Characteristics
- wide variety of levers
  - peg mounting option
  - pre-wired option
  - sealed (IP6K7)
  - solder and faston terminals
  - PCB terminals

Rating 250 VAC, 5 A

Dimensions (mm) 20 × 10.3 × 6.4

- Actuator
- plunger
  - plain levers
  - roller levers
  - simulated roller levers

Approvals none



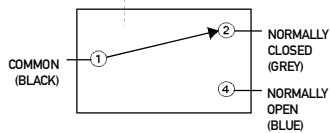
## Preferred Range

Ordering Reference	Actuating Force		Sealing	Operating pos.		Terminal	Circuit	Actuator	Contacts	Electrical rating
	(N)	(ozf)		(mm)	(in)					
V4NCT7	1.7	6.114	No symbol	8.40	0.331	Solder	CO	Plunger	Ag	250 VAC, 5 A
V4NCT7A1	0.8	2.877	No symbol	10.85	0.427	Solder	CO	Plain lever	Ag	250 VAC, 5 A
V4NCT7AR	0.8	2.877	No symbol	16.00	0.630	Solder	CO	Roller lever	Ag	250 VAC, 5 A
V4NCS	2.5	8.992	Sealed IP6K7	8.40	0.331	Cable 500 mm	CO	Plunger	Ag	250 VAC, 5 A
V4NCSA1	0.9	3.237	Sealed IP6K7	10.80	0.425	Cable 500 mm	CO	Plain lever	Ag	250 VAC, 5 A
V4NCSAR	0.9	3.237	Sealed IP6K7	15.90	0.626	Cable 500 mm	CO	Roller lever	Ag	250 VAC, 5 A

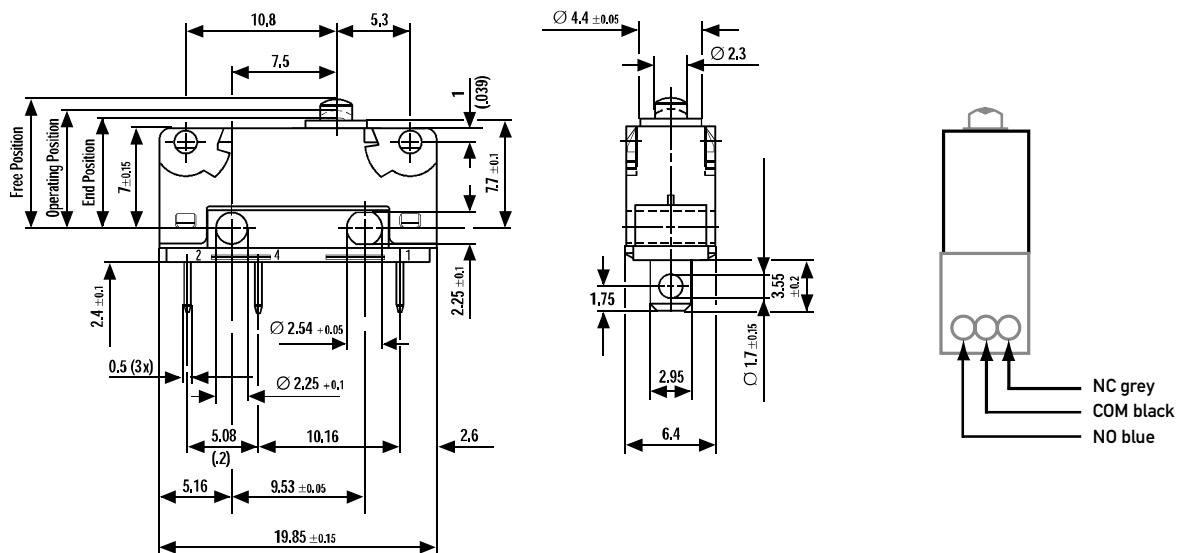
## Specifications

Housing	Glass fibre reinforced Polyamide (PA 6.6)
Plunger	Polyacetal POM/(PA 4.6)
Mechanism	Snap-action coil spring mechanism with stainless steel spring
Functions	Change-over, normally closed or normally open
Contacts	Fine Silver, Gold plate on silver, Gold alloy on silver palladium (crosspoint)
Terminals	Gold flashed
Temperature range °C	-40°C to +85°C/120°C
Mechanical life	5 × 10 <sup>6</sup> cycles minimum (impact free actuation) for the cowl 3 × 10 <sup>6</sup>
Protection	IP40, IP6K7 (depend on type), Flux-proof terminal entries (for all types)
Mounting	Side mounting (moulded mounting pegs on request)
Actuators	Plain lever, cam follower, roller lever, simulated roller (cam follower) lever
Accessories	Lug mounting frame, clip-on terminals cover, insulating sheet

### Circuit diagram

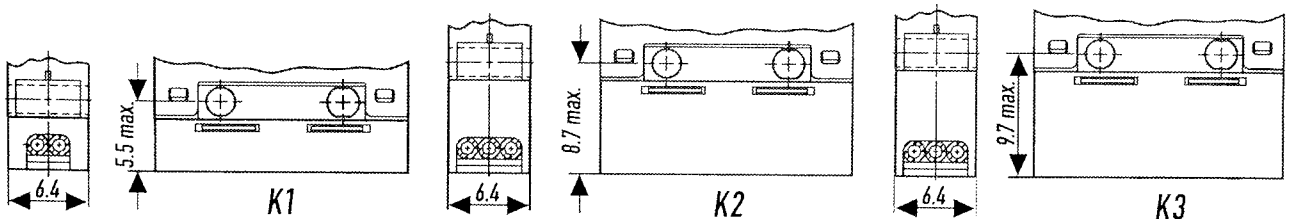


### Dimensions



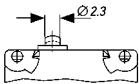
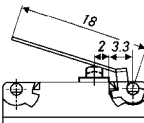
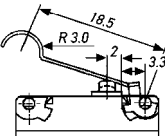
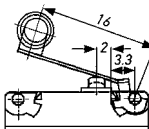
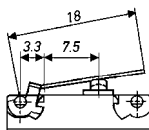
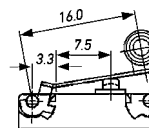
### Prewired version with cable box

For type coding key please contact Saia



Standard cable FLRY 0.5 mm<sup>2</sup> with max. outside diameter 1.8 mm  
Standard cable box is K2

## Operating Characteristics

Actuator	Reference	Actuating Force		Release Force		Free Position		Operating Position		Movement Differential	
		Maximum (N)	(ozf)	Minimum (N)	(ozf)	Maximum (mm)	(in)	(mm)	(in)	Maximum (mm)	(in)
 Plunger	V4NC..	1.7	6.114	0.3	1.079	9.2	0.362	8.4 ± 0.3	0.331 ± 0.012	0.1	0.004
	V4NCE..	1.7	6.114	0.3	1.079	9.7	0.382	8.9 ± 0.3	0.35 ± 0.012	0.1	0.004
	V4NCS..	2.5	8.992	0.5	1.798	9.2	0.362	8.4 ± 0.3	0.331 ± 0.012	0.1	0.004
	V4NCSE..	2.5	8.992	0.5	1.798	9.7	0.382	8.9 ± 0.3	0.35 ± 0.012	0.1	0.004
 A1 Lever	V4NC..	0.8	2.877	0.07	0.251	13.4	0.527	10.85 ± 1.3	0.427 ± 0.051	0.4	0.016
	V4NCE..	0.8	2.877	0.07	0.251	14.8	0.582	12.4 ± 1.3	0.488 ± 0.051	0.4	0.016
	V4NCS..	0.9	3.237	0.1	0.359	13.4	0.527	10.8 ± 1.3	0.425 ± 0.051	0.4	0.016
	V4NCSE..	0.9	3.237	0.1	0.359	14.8	0.582	12.4 ± 1.3	0.488 ± 0.051	0.4	0.016
Width of lever 4.0mm/0.16 in											
 AC Lever	V4NC..	0.8	2.877	0.07	0.251	16.1	0.634	13.5 ± 1.3	0.531 ± 0.051	0.4	0.016
	V4NCE..	0.8	2.877	0.07	0.251	17.6	0.693	15.1 ± 1.3	0.594 ± 0.051	0.4	0.016
	V4NCS..	0.9	3.237	0.1	0.359	16.1	0.634	13.4 ± 1.3	0.527 ± 0.051	0.4	0.016
	V4NCSE..	0.9	3.237	0.1	0.359	17.6	0.693	15.1 ± 1.3	0.594 ± 0.051	0.4	0.016
Width of lever 4.0mm/0.16 in											
 AR Lever	V4NC..	0.8	2.877	0.07	0.251	18.1	0.712	16 ± 1.2	0.63 ± 0.047	0.4	0.016
	V4NCE..	0.8	2.877	0.07	0.251	19.2	0.756	17.3 ± 1.2	0.681 ± 0.047	0.4	0.016
	V4NCS..	0.9	3.237	0.1	0.359	18.1	0.712	15.9 ± 1.2	0.626 ± 0.047	0.4	0.016
	V4NCSE..	0.9	3.237	0.1	0.359	19.2	0.756	17.3 ± 1.2	0.681 ± 0.047	0.4	0.016
Width of lever 4.0mm/0.16 in											
 A10 Lever	V4NC..	1.3	4.676	0.13	0.467	10.7	0.421	9.4 ± 0.7	0.37 ± 0.027	0.2	0.008
	V4NCE..	1.3	4.676	0.13	0.467	11.5	0.453	10.2 ± 0.7	0.401 ± 0.027	0.2	0.008
	V4NCS..	1.8	6.474	0.2	0.719	10.7	0.421	9.3 ± 0.7	0.366 ± 0.027	0.2	0.008
	V4NCSE..	1.8	6.474	0.2	0.719	11.5	0.453	10.1 ± 0.7	0.397 ± 0.027	0.2	0.008
Width of lever 4.0mm/0.16 in											
 AR0 Lever	V4NC..	1.3	4.676	0.13	0.467	15.8	0.622	14.7 ± 0.6	0.579 ± 0.023	0.2	0.008
	V4NCE..	1.3	4.676	0.13	0.467	16.5	0.649	15.4 ± 0.6	0.606 ± 0.023	0.2	0.008
	V4NCS..	1.8	6.474	0.2	0.719	15.8	0.622	14.7 ± 0.6	0.579 ± 0.023	0.2	0.008
	V4NCSE..	1.8	6.474	0.2	0.719	16.5	0.649	15.4 ± 0.6	0.606 ± 0.023	0.2	0.008
Width of lever 4.0mm/0.16 in											

Operating characteristics shown above are specified from mounting hole centres.

Over travel: Flush with case. (7.8 mm min) The case should not be used as an end stop.

## Ordering Reference

Basic type	V4NC	Example: V4NC	B	T7	C4	A1	0	G
Actuating Force	No symbol, standard force							
Type of sealing	No symbol, unsealed, standard travel							
	E	Unsealed with extended overtravel (0.5 mm)						
	S	Sealed IP6K7 standard travel						
	B	Sealed IP6K7 with extended overtravel (0.5 mm)						
Terminals	No symbol, pre-wired 500 mm with cable box (V4NCS/B only)							
	T7	Solder 2.95 × 0.5 × 3.55 long						
	T8	PCB 0.8 × 0.5 × 4.0 long						
	T9	Faston 2.8 × 0.5 × 9.5 long						
	T81	Formed PCB 0.8 × 0.5 × 3.8 long						
	T82	Formed PCB 0.8 × 0.5 × 3.8 long						
	T84	Short PCB 0.8 × 0.5 × 2.0 long						
	T85	Long PCB 0.8 × 0.5 × 6.85 long						
	T11	Welding/solder 2.95 × 0.5 × 3.55 long						
Circuit	No symbol, change-over							
	C2	Normally closed						
	C4	Normally open						
Actuators	No symbol, without lever							
	A1	Plain lever 18.0 mm						
	A2	Plain lever 25.0 mm						
	A3	Plain lever 32.0 mm						
	A7	Plain lever 60.0 mm						
	AC	Cam follower lever 18.5 mm (AC1)						
	AR	Roller lever 16.0 mm (AR1)						
	AP	Roller lever 17.9 mm (AR2)						
	PB	Push Button (see specification PBA4/QA4)						
	QA	Push Button (see specification PBA4/QA4)						
	Other actuators on special request							
Actuator Position	No symbol, without lever, or lever fitted at the end nearest to the Plunger							
	0	With lever fitted at end opposite to plunger						
Contact Material	No symbol, Ag							
	G	Gold plate on silver (GP)						
	X	Gold alloy on silver palladium crosspoint (AUX)						
	Other contact materials on special request							
Special Features	/ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Saia 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 <a href="http://www.saia-burgess.com">www.saia-burgess.com</a> or your local SB outlet.							

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