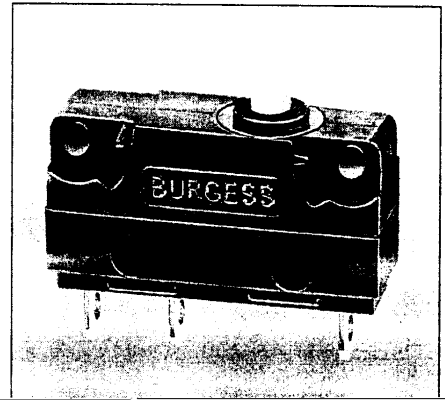


## V4N-Series



V4NT7

An exciting new range of sub-miniature switches embracing a host of innovative design features:

- Seven terminal options all sealed
- Mounting holes or moulded pegs
- Standard and low force models

# Specifications

# V4N

**Housing:**

Glass fibre reinforced Polyamide (PA 6.6)

**Plunger:**

Polyacetal (POM)

**Mechanism:**

Snap-action coil spring mechanism with stainless steel spring. Changeover, normally-closed or normally-open

**Contacts:**

Fine silver

Gold plate on silver

Gold plate on silver crosspoint

**Terminals:**

All terminals are gold flashed

Refer to page 39

**Temperature Range:**

-40°C to +85°C (higher temperatures possible - consult Burgess.)

**Mechanical Life:**

10<sup>7</sup> cycles minimum (impact free actuation)

**Type of Protection:**

Recom. Max. El. Ratings V4N series		
Voltage	Resistive load	Inductive load
<b>AC</b>	A	A
125	5	5
250	5	5

Recom. Max. El. Ratings V4N2 series		
Voltage	Resistive load	Inductive load
<b>AC</b>	A	A
125	2	1
250	2	1

Recom. Max. El. Ratings V4N series		
Voltage	Resistive load	Inductive load
<b>DC</b>	A	A
up to		
30	5	3
50	1	1
75	0.75	0.75
125	0.5	0.03
250	0.25	0.03

Recom. Max. El. Ratings V4N2 series		
Voltage	Resistive load	Inductive load
<b>DC</b>	A	A
up to		
30	2	2
50	0.5	0.5
75	0.25	0.25
125	0.2	0.03
250	0.15	0.02

Flux-proof terminal entries

**Mounting:**

Side mounting

Versions with moulded mounting pegs of 2.25 mm or 3.2 mm diameter are also available. Please consult Burgess.

**Actuators:**

Plain lever

Cam follower

Roller lever

} Choice of two styles

**Accessories:**

Lug mounting frame

Clip-on terminal covers

Insulating sheet

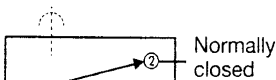
**Approvals:**

UL, CSA, BEAB, VDE, SEV, NEMKO, DEMKO, SEMKO.

The breaking capacities in the tables refer to silver contacts. For gold contacts see the text on right.

Gold-plated contacts are intended for use in signal circuits where the energy being switched is at the milliwatt level. Power being switched must be limited in order to avoid overheating and possible dispersal of the gold from the contact area.

Circuit diagram V4N



**Product Range  
Operating Characteristics**

V4N



# Ordering References

# V4N

<b>Switch range:</b>	<b>V4N</b>																								
<b>Actuating Force</b> No symbol = Standard force 2 Low force [4]* High	[ ]* german version																								
<b>Terminal types</b> 																									
<b>Circuit</b> No symbol = Changeover C2 Normally closed C4 Normally open																									
<b>Actuators</b> No symbol = Plunger <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">Y1</td> <td style="width: 10%;">A1</td> <td style="width: 25%;">Plain lever</td> <td style="width: 60%;">18.0 mm ( .71 in)</td> </tr> <tr> <td>Y2</td> <td>A2</td> <td>Plain lever</td> <td>25.0 mm ( .98 in)</td> </tr> <tr> <td>Y3</td> <td>A3</td> <td>Plain lever</td> <td>32.0 mm (1.26 in)</td> </tr> <tr> <td></td> <td>A7</td> <td>Plain lever</td> <td>60.0 mm (2.36 in)</td> </tr> <tr> <td>YC</td> <td>AC1</td> <td>Cam follower</td> <td>18.5 mm ( .73 in)</td> </tr> <tr> <td>YR1</td> <td>AR1</td> <td>Roller lever</td> <td>16.0 mm ( .63 in)</td> </tr> </table>		Y1	A1	Plain lever	18.0 mm ( .71 in)	Y2	A2	Plain lever	25.0 mm ( .98 in)	Y3	A3	Plain lever	32.0 mm (1.26 in)		A7	Plain lever	60.0 mm (2.36 in)	YC	AC1	Cam follower	18.5 mm ( .73 in)	YR1	AR1	Roller lever	16.0 mm ( .63 in)
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Levers fitted at end nearest to plunger. These can also be specified for fixing at end opposite to plunger - consult Burgess.																									
<b>Contacts</b> No symbol = Fine silver [AUX]* Gold alloy coated silver palladium GP Gold plate on silver GPX Gold plate on silver crosspoint [ ]* = german version																									