

9000 Rotary Switches 2A 250Vac



- ▶ Rotary action switch
- ▶ Ratings up to 2A, 250V ac
- ▶ 4 position, single pole
- ▶ 90° indexed positions



2A 250Vac T85



UL 2A 250Vac, 65°C, file E45221



RoHS compliant

μ contact gap.

Technical data on pages 4 & 5.

A 4-position single pole rotary switch. All nylon construction, threaded neck and flattened 6.0mm dia. spindle. Positive detent action, 90° between index positions. Stops available to restrict rotation.

Various circuits may be obtained by changing the supply and load connections or by omission of one or two terminals. Line and loads may be connected to any terminals. Any three of the four contacts are always connected. Illustrated loads and line are for example only. Suitable for class II appliances. Patent app.

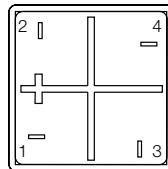
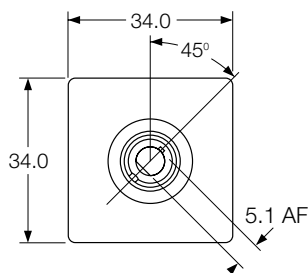
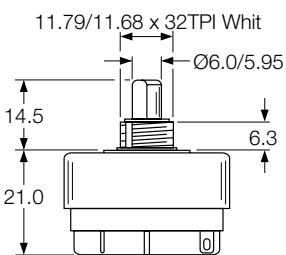
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T 9000

TERMINAL FUNCTION

TERMINAL	FUNCTION	BODY	OPTIONS
<p>T</p>	<p>9000</p> <p>Position 1 Viewed from terminal side Load C (3) Line in (1) Load B (4) OFF Load A (2)</p> <p>Position 2 Load C (3) Line in (1) Load B (4) Loads B+C switched Load A (2)</p> <p>Position 3 Load C (3) Line in (1) Load B (4) Loads A+C switched Load A (2)</p> <p>Position 4 Load C (3) Line in (1) Load B (4) Loads A+B switched Load A (2)</p>	<p>Panel Cut-out</p>	<p>Rotation Stops Can be specified to limit the number of switching positions</p>

Dimensions (mm)



9100 Pull Cord Switches 16(4)A 250Vac



16(4)A 250Vac T125
16A 400Vac T125
8(8)A 250Vac T125 5E4 (50,000 Operations)



UL CSA 20A 277Vac, 250Vac 2hp, 125Vac 1hp
UL85°C, file no. E45221, CSA file no. LR10990

In house test

20A 28V dc

9100 pull cord switches have 45° indexing



RoHS compliant

3mm contact gap
Technical data on pages 4 & 5

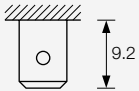
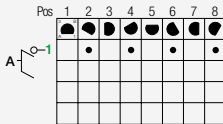
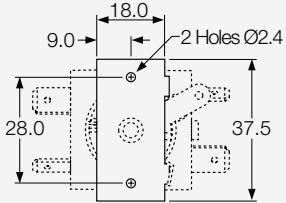
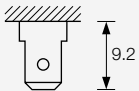
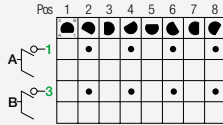
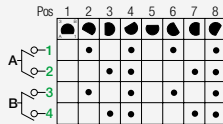
- ▶ Pull cord operation
- ▶ Ratings up to 16A, 250V ac; 20A, 28V dc
- ▶ 2 & 4 way rotary switch
- ▶ Pairs of single pole change over contacts
- ▶ Wide choice of switching circuits



C9821PC ---

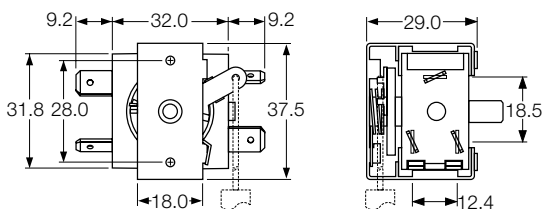
C 9 8 2 1 PC

TERMINAL SERIES PULL CORD POSITIONS CIRCUIT BODY

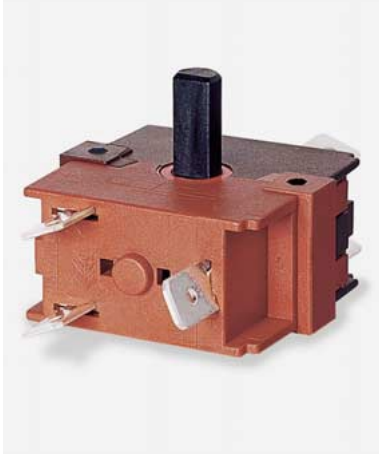
▶ TERMINAL	▶ SERIES	▶ FUNCTION	▶ BODY/MOUNTING
<p>C</p>  <p>6.3 x 0.8</p>	<p>98</p>	<p>2 Switching positions</p> <p>Off 1</p> 	<p>PC 2 hole fixing</p> 
<p>H</p>  <p>4.8 x 0.8</p> <p>For approval information on H terminals, contact the factory</p>		<p>2 Switching positions</p> <p>Off 1+3</p> 	
		<p>4 Switching positions</p> <p>Off 1+3, 2+4, 1+2+3+4</p> 	

Dimensions (mm)

9100PC (C terminals shown)



9100 Rotary Switches 16A 250Vac



- ▶ 2 to 6 way rotary switch
- ▶ Ratings up to 16A, 250V ac; 20A, 28V dc
- ▶ Pairs of single pole change over contacts
- ▶ Wide choice of switching circuits
- ▶ Can be stacked together



16(4)A 250Vac T125
16A 400Vac T125



8(8)A 250Vac T125 5E4 (50,000 Operations)

UL CSA 20A Non Ind 277Vac, 250Vac 2hp, 125Vac 1hp
UL85°C, file no. E45221, CSA file no. LR10990

In house test

20A 28V dc



RoHS compliant

9100 switches are highly versatile with up to 6 positions at 30° intervals and 6 terminals per switch. For more complex switching (7 positions & over), contact the factory. Two switches may be stacked to give up to 12 terminal switching.

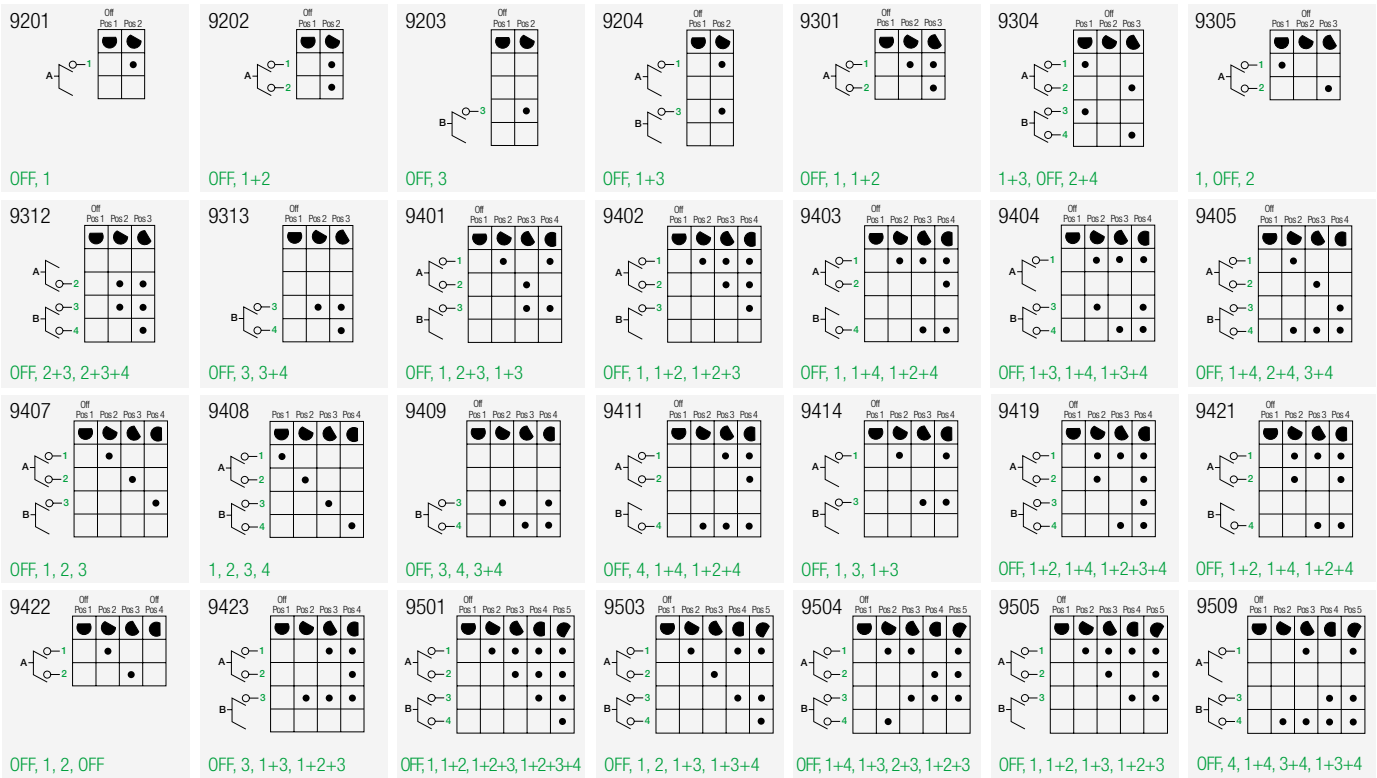
3mm contact gap.

Technical data on pages 4 & 5.

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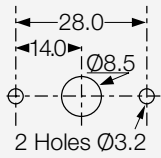
TERMINAL SERIES POSITIONS CIRCUIT SPINDLE BODY

▶ TERMINAL	▶ SERIES	▶ POSITION	▶ CIRCUIT	▶ SPINDLE																					
<p>C</p> <p>6.3 x 0.8</p>	9	<p>2 Switching positions</p>	<p>9100 switches offer almost infinite switching options</p> <p>For this reason it is impractical to show all the options available.</p> <p>The table below gives an example of a 5 position switching sequence: OFF, 1, 1+2, 1+2+3, 1+2+3+4</p> <table border="1"> <thead> <tr> <th></th> <th>Off</th> <th>Pos 1</th> <th>Pos 2</th> <th>Pos 3</th> <th>Pos 4</th> <th>Pos 5</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>B</td> <td></td> <td></td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </tbody> </table>		Off	Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	A	●	●	●	●	●	●	B			●	●	●	●	<p>A</p>
		Off		Pos 1	Pos 2	Pos 3	Pos 4	Pos 5																	
A		●		●	●	●	●	●																	
B					●	●	●	●																	
				<p>3 Switching positions</p>	<p>B</p>																				
				<p>4 Switching positions</p>	<p>C</p>																				
		<p>5 Switching positions</p>	<p>D</p>																						
<p>H</p> <p>4.8 x 0.8</p> <p>For approval information on H terminals, contact the factory.</p> <p>Simple circuits may not use all terminals. Unnecessary terminals may be omitted.</p>		<p>6 Switching positions</p>	<p>M</p>																						
			<p>The code for your chosen circuit will be allocated by our technicians. Please contact the factory for details.</p> <p>Use the blank table to plan your switching up to 6 positions.</p> <table border="1"> <thead> <tr> <th></th> <th>Pos 1</th> <th>Pos 2</th> <th>Pos 3</th> <th>Pos 4</th> <th>Pos 5</th> <th>Pos 6</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	Pos 6	A	●	●	●	●	●	●	B							<p>N</p>
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A	●	●	●	●	●	●																			
B																									
				<p>P</p>																					
				<p>R</p> <p>for 2 gang switching</p>																					
				<p>S</p>																					
				<p>L supplied without spindle</p>																					



BODY

A
Standard 2 hole fixing



Recommended fixing
2 off No4 / 3.0mm self tapping screws
5.0mm min penetration into switch body.

Stacked Switches
For more complex switching a second switch may be stacked on the first.



OPTIONS

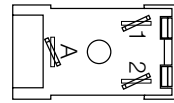
Anti-rotation stops
May be fitted at any of the index positions to limit the maximum angle of rotation.

Panel clearance
A spacer can be fitted to the switch body to increase the clearance between the mounting panel and switch terminals.

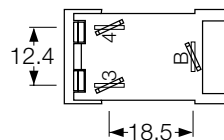
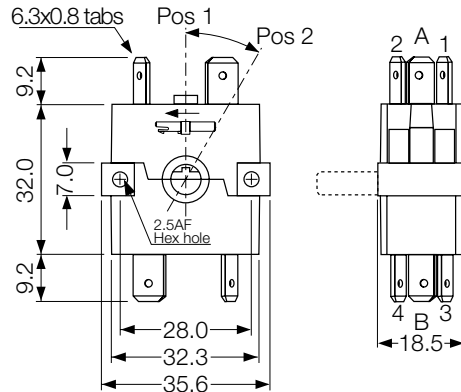
Custom spindles
Custom spindles of any length, with or without a "D" flat, can be produced from our infinitely variable tooling. The flat can be at any angle.

For all options call the factory.

DIMENSIONS (mm)



Spindle Movement 360° in 30° intervals



Note
In the circuits on this page, the symbol ● shows the position of the switch cam, NOT the position of the spindle flat.