



The new caps for the Multimec switches 1DS / 1ES / 1FS is optimized with a "snap on" system to ensure the cap to stay on the switch actuator even under heavy vibrations or similar scenarios.

- The 1DS cap is a solid cap which can be supplied in different colours
- The 1ES cap is a solid cap like 1DS, but with a small round lens for intensive or smooth illumination
- The 1FS cap is a solid cap like 1DS, but with a large round lens for intensive or smooth illumination

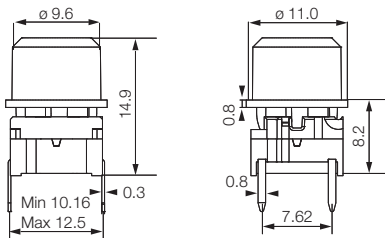


### Technical Data

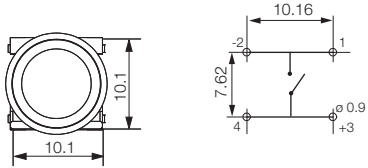
- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations life time
- IP67 sealing
- temperature range:  
LED: -40/+85°C  
solid cap +65°C  
transparent +85°C
- actuation force: 2.0, 3.5, 6.5 N



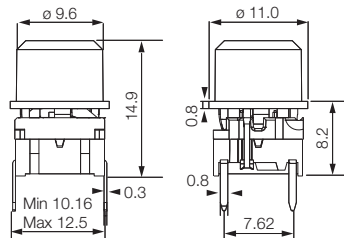
### Dimensions (through-hole)



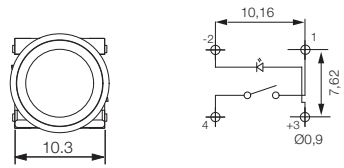
### PCB layout



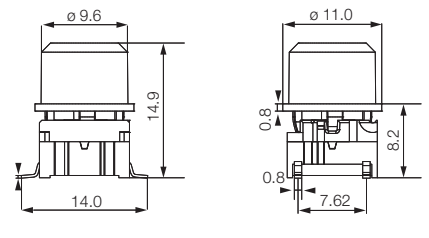
### Dimensions (w. LED)



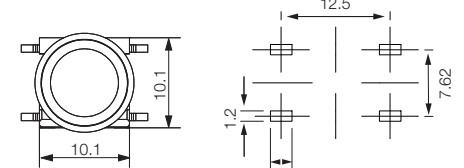
### PCB layout






### Dimensions (SMD)




### PCB layout



### HOW TO ORDER

<b>5 G</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Switch</b>	<b>Mounting</b>	<b>Actuation force</b>	<b>LED</b>	<b>Cap</b>	<b>Colour code</b>	<b>Lens</b>
	<b>TH9</b> through-hole	<b>20</b>	<b>01</b> blue	<b>1ES</b> with lens	<b>00</b> blue	<b>1</b> transparent
	<b>SH9</b> surface mount	<b>35</b>	<b>22</b> green		<b>03</b> grey	<b>6</b> frosted white
		<b>65</b>	<b>42</b> yellow	<b>1FS</b> with lens	<b>08</b> red	
			<b>61</b> white		<b>09</b> black	
			<b>82</b> red			
			<b>2242</b> green/yellow			
			<b>8222</b> red/green			
			<b>8242</b> red/yellow			
				<b>1DS</b>		
					<b>11</b> transparent	
					<b>16</b> frosted white	

<b>5 G</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Switch</b>	<b>Mounting</b>	<b>Actuation force</b>	<b>Cap</b>	<b>Colour code</b>	
	<b>TH9</b> through-hole	<b>20</b>	<b>1DS</b> solid colour	<b>00</b> blue	
	<b>SH9</b> surface mount	<b>35</b>		<b>02</b> green	
		<b>65</b>		<b>03</b> grey	
				<b>04</b> yellow	
				<b>06</b> white	
				<b>08</b> red	
				<b>09</b> black	

Dimensions (mm) Unless otherwise specified, all tolerances ±0,2



Ordering example: 5GTH935 + 1DS08

See colour codes on our website: [www.mec.dk](http://www.mec.dk)

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