

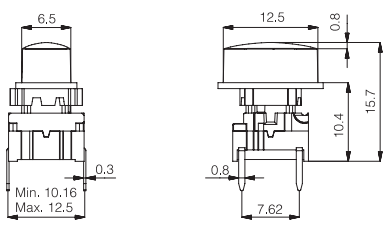
# multimec® 3F + 1WA/1WD/1WP

### Technical Data

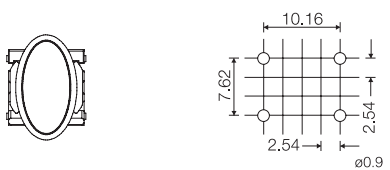
- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations life time
- IP67 sealing
- temperature range:  
low temp: -40/+115°C  
high temp: -40/+160°C



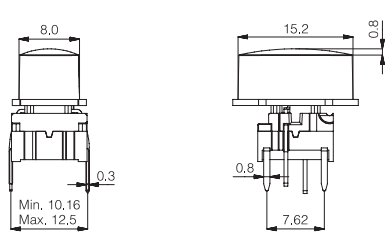
### Dimensions (through-hole) 1WA



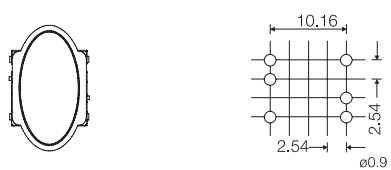
### PCB layout



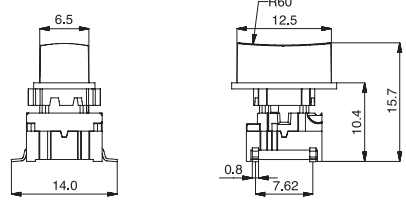
### Dimensions (w/LED) 1WD



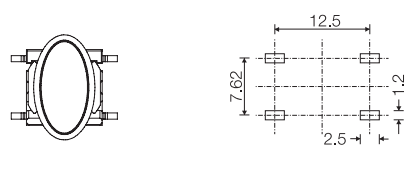
### PCB layout (top view)



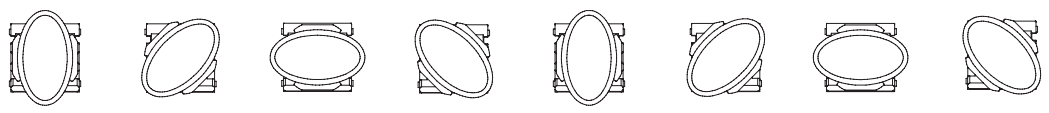
### Dimensions (SMD) 1WP



### PCB layout



### 8 different position options



### How to order

<b>3 F</b>	<input type="checkbox"/>	<input type="checkbox"/>	+	<input type="checkbox"/>	<input type="checkbox"/>
<b>Switch</b>	<b>Mounting</b>	<b>L 6</b> low temp. <b>H 9</b> high temp.		<b>Cap</b>	<b>00</b> blue <b>03</b> grey <b>08</b> red <b>09</b> black <b>30</b> ultra blue <b>40</b> pigeon blue <b>42</b> aqua blue <b>53</b> metal light grey <b>57</b> metal dark grey
	<b>T</b> through-hole <b>S</b> surface mount			<b>1WA</b> <b>1WD</b> <b>1WP</b>	

<b>3 F</b>	<b>T</b>	<input type="checkbox"/>	<input type="checkbox"/>	+	<input type="checkbox"/>	<input type="checkbox"/>
<b>Switch</b>	<b>Mounting</b>	<b>L 6</b> low temp. <b>H 9</b> high temp.	<b>LED</b>		<b>Cap</b>	<b>16</b> frosted white
	<b>T</b> through-hole		<b>23</b> green <b>45</b> yellow <b>88</b> red		<b>1WA</b> <b>1WD</b> <b>1WP</b>	

Keycaps shown on this page can also be used on **illumecc™ switch 4F** - see page 13

**Ordering example:** 3FTL6 + 1WA09 or 3FTL680 + 1WP16

For updates of products and/or changes of specifications please see [www.mec.dk](http://www.mec.dk)

1WA/1WD/1WP are in the shape of an ellipse. The mathematical formulas can be seen below.

### Ellipse

Area:

$$A = \pi \cdot a \cdot b$$

Perimeter:

$$P = 4 \cdot a \cdot \int_0^{\frac{\pi}{2}} \sqrt{1 - k^2 \cdot \sin^2 \theta} \, d\theta, \quad k = \frac{\sqrt{a^2 - b^2}}{a}$$

$$\approx 2 \cdot \pi \cdot \sqrt{\frac{1}{2} \cdot (a^2 + b^2)}$$

