

multimec®

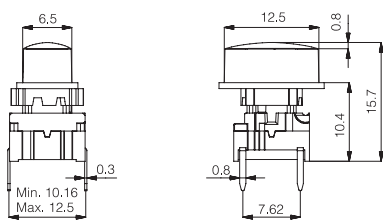
3F + 1WA/1WD/1WP

Technical Data

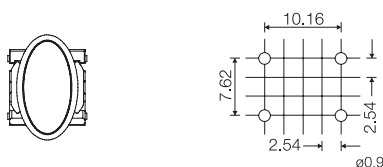
- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations life time
- IP67 sealing
- temperature range:
low temp: -40/+115°C
high temp: -40/+160°C



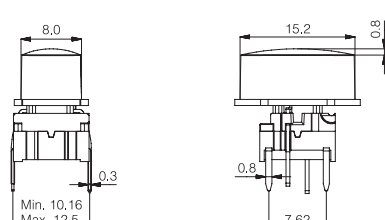
Dimensions (through-hole) 1WA



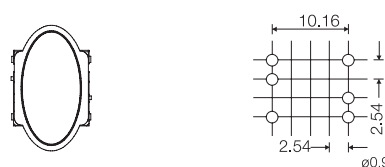
PCB layout



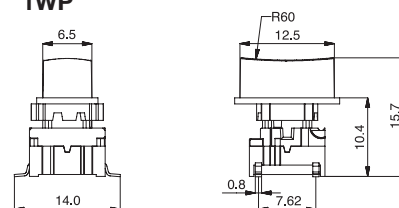
Dimensions (w/LED) 1WD



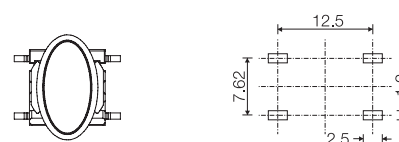
PCB layout (top view)



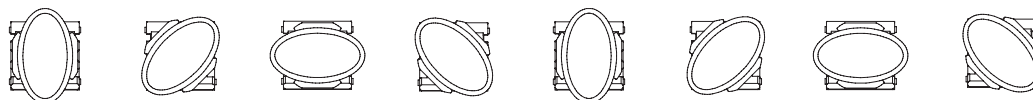
Dimensions (SMD) 1WP



PCB layout



8 different position options



How to order

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

3 F	T		+		
Switch	Mounting	L 6 low temp. H 9 high temp.		Cap	16 frosted white
	T through-hole			1WA	
		LED		1WD	
		23 green 45 yellow 88 red		1WP	

Keycaps shown on this page can also be used on
illume™ 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

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

Ellipse

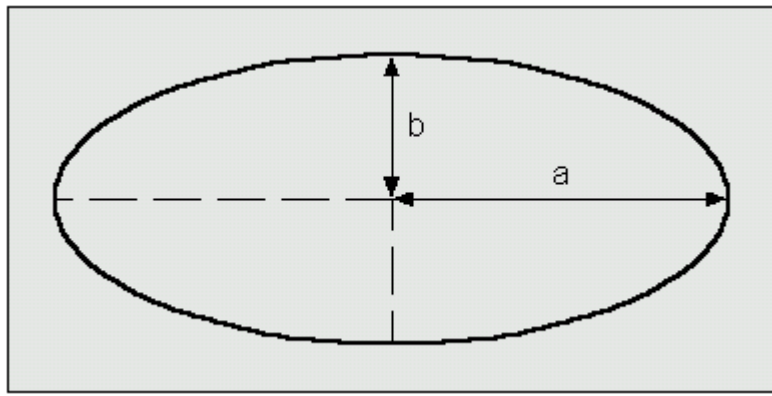
Area:

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

Perimeter:

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

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



Mouser Electronics

Authorized Distributor

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[Apem:](#)

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[1WA42](#) [1WP42](#) [1WP09](#) [1WA09](#) [1WP03](#) [1WA16](#) [1WD00](#) [1WD08](#) [1WA30](#) [1WA03](#) [3FTL6RAS](#) [1WD09](#) [1WA00](#)
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