



Controlmec TM is a five position integrated switch solution, designed for outdoor, dusty and humid applications, to control a unit, navigate in a display, operate auxiliary equipment on a vehicle, boat or similar. The Controlmec is sealed to IP67, and exist of:

- One complete solid cap, with recess on the back site for the seal efficiency
- The unit panel plate (customers design)
- A gasket to seal between the cap, and the panel.
- A support ring to ensure the right position of sealing behind the front plate
- And then the PCB including the switches

The PCB with the switches, shall be assembled according to the MEC datasheet, and mounted to the back side of the front panel by bolts, to ensure the right pressure for the sealing efficiency.

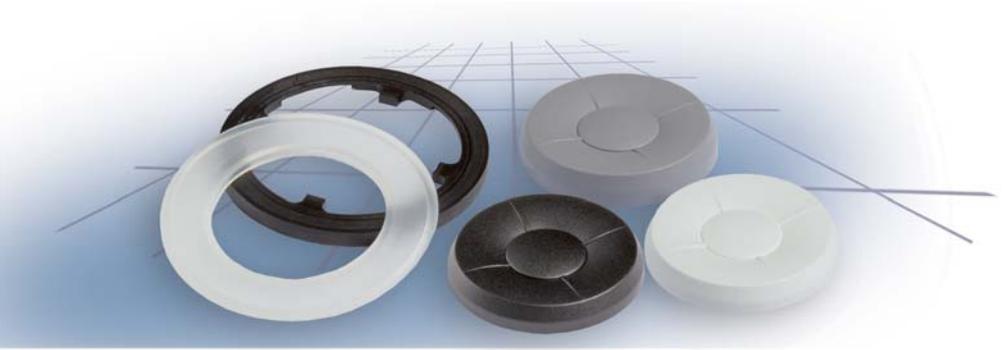
The Controlmec is an extension of the Navimec system which includes the Multimec switches, of excellent high quality and long lifetime. Configurations can be made with through hole or SMD switch versions, provided they are accurately positioned.



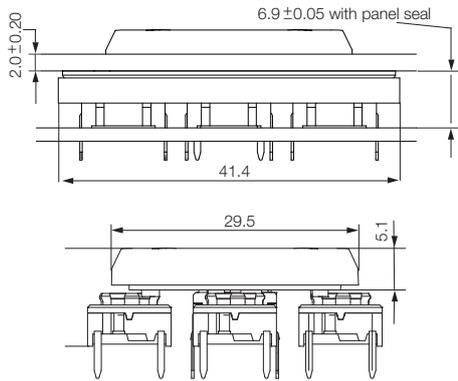
Distributor:

### Technical Data

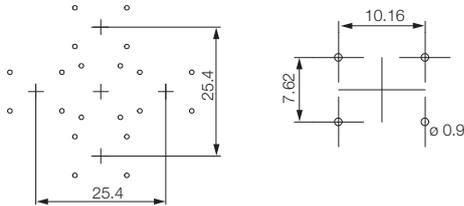
- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations life time
- IP67 sealing
- temperature range:  
LED: -40/+85°C  
solid cap +65°C  
transparent +85°C
- actuation force: 2.0, 3.5, 6.5 N



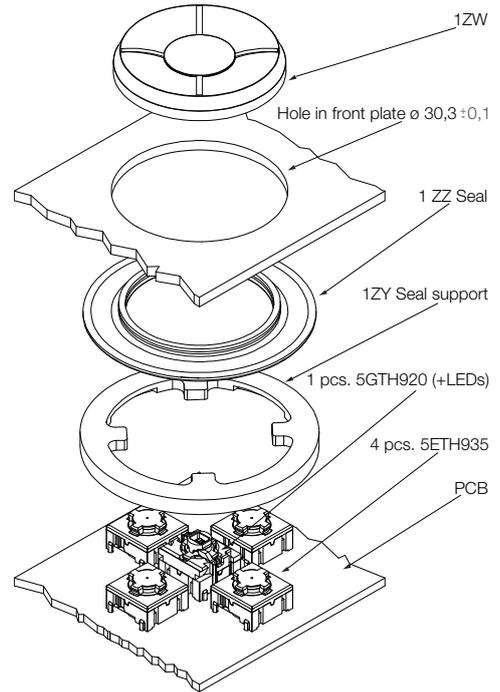
### Dimensions 1ZW



### Recommended PCB layout



### Mounting example



### HOW TO ORDER

<b>5 G</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Switch</b>	<b>Mounting</b>	<b>Actuation force</b>	<b>LED</b>	<b>Cap for seal</b>	<b>Colour code</b>	<b>Seal</b>	<b>Seal support</b>
	<b>TH9</b> through-hole	<b>20</b>	<b>01</b> blue	<b>1ZW</b>	<b>00</b> blue	<b>1ZZ</b>	<b>1ZY</b>
	-hole		<b>22</b> green		<b>02</b> green		
	<b>SH9</b> surface mount	<b>35</b>	<b>42</b> yellow		<b>03</b> grey		
		<b>65</b>	<b>61</b> white		<b>04</b> yellow		
			<b>82</b> red		<b>06</b> white		
			<b>2242</b> green/yellow		<b>08</b> red		
			<b>8222</b> red/green		<b>09</b> black		
			<b>8242</b> red/yellow		<b>11</b> transparent		
					<b>16</b> frosted white		

<b>5 E</b>	<input type="text"/>	<input type="text"/>
<b>Switch</b>	<b>Mounting</b>	<b>Actuation force</b>
	<b>TH9</b> through-hole	<b>20</b>
	<b>SH9</b> surface mount	<b>35</b>
		<b>65</b>

See colour codes on our website: [www.mec.dk](http://www.mec.dk)  
Dimensions (mm) Unless otherwise specified, all tolerances ±0,2

**Ordering example (sealed version) 1ZW:** 1 x 5GTH920 + 4 x 5ETH935 + 1ZW03 + 1ZZ + 1ZY