mec
switches

1ZW "with panel seal"

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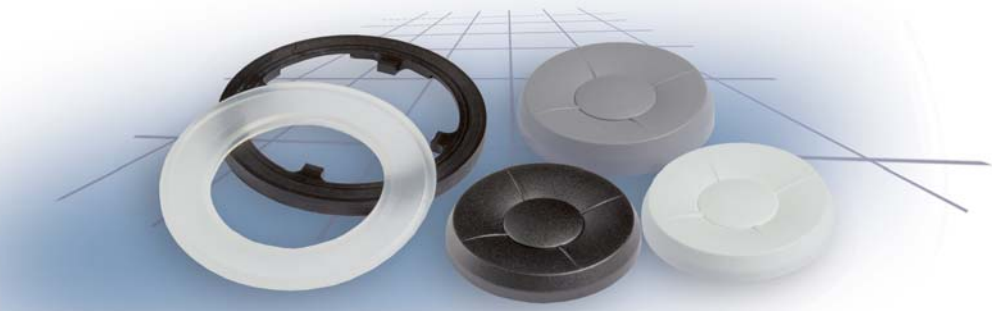
The Controlmec is an extension of the Navimec system which includes the Multimec switches, of excellent high quality and long lifetime. Configurations can be made with through hole or SMD switch versions, provided they are accurately positioned.
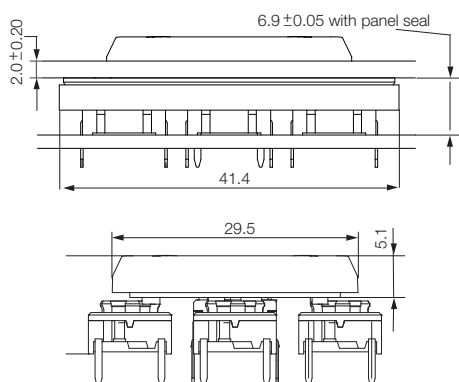
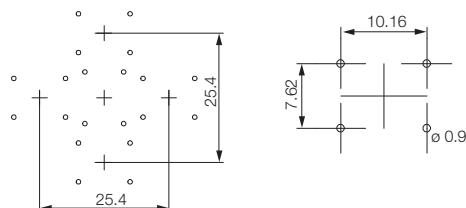Distributor:

controlmec® 1ZW "sealed"

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
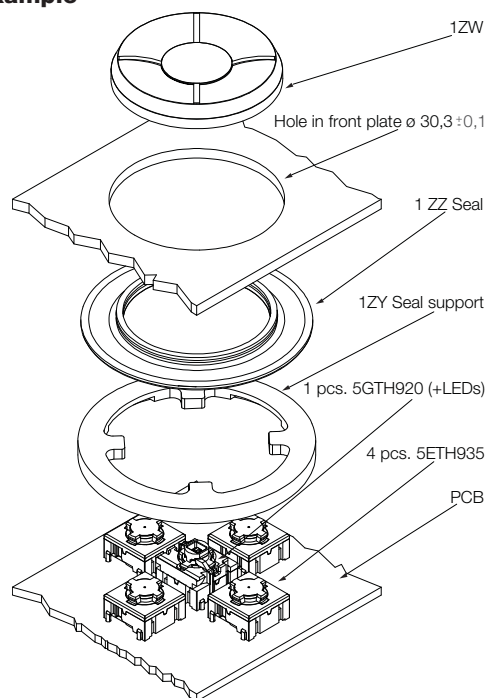
Dimensions 1ZW

6.9 ±0.05 with panel seal

2.0 ±0.20

41.4

29.5

5.1

Recommended PCB layout

25.4

25.4

10.16

7.62

ø 0.9

Mounting example

1ZW

Hole in front plate ø 30,3 ±0,1

1 ZZ Seal

1ZY Seal support

1 pcs. 5GTH920 (+LEDs)

4 pcs. 5ETH935

PCB

HOW TO ORDER

5	G				Panel seal	
Switch	Mounting	Actuation force	LED	Cap for seal	Colour code	Seal	Seal support

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

5	E		
Switch	Mounting	Actuation force	
	TH9 through-hole	**20**	
	SH9 surface mount	**35**	
		65	

See colour codes on our website: 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem](#):
  [1ZW08](#) [1ZY](#) [1ZW03](#) [1ZW09](#) [1ZZ](#) [1ZW06](#)