



The 1TS/1US/1VS caps for the Multimec 5G switch series are optimised with a “snap-on” system to ensure the cap to stay on the switch actuator even under heavy vibrations and similar scenarios.

The caps have a soft line shape and are rounded on top giving a good “feel” to the operator. The product line comprises of three different shapes that can be used to create patterns such as columns, keypads and navigators.

The 1TS/1US/1VS caps in forsted white have a full or legend illumination option. Legend illumination is created with full paint and laser-marking or pad printing. The 5G switch series provides through-hole and SMD versions with three different actuation force possibilities: 2.0, 3.5 and 6.5 N.

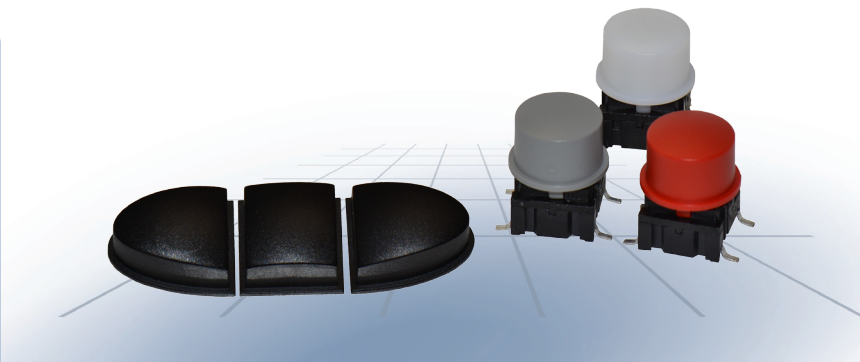
*Legends on the picture are not standard



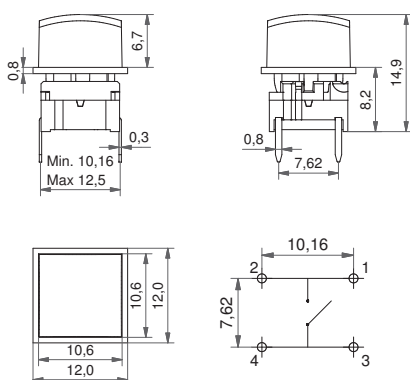
Distributor:

Technical Data:

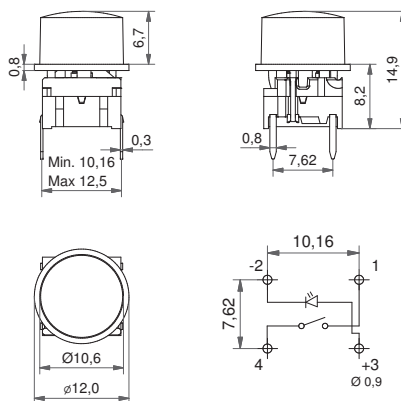
- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations lifetime
- IP67 sealing
- temperature range:
LED: -30/+85°C
high temp: -40/+160°C
keycap: -40/+85°C
- actuation force: 2.0, 3.5, 6.5 N



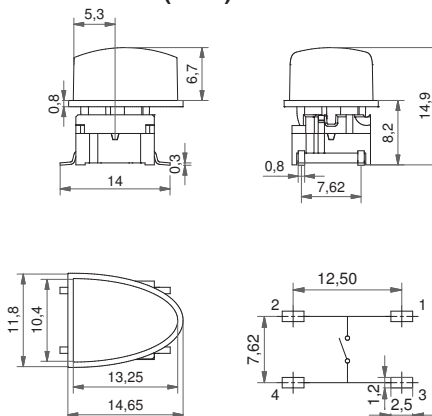
Dimensions (through-hole) + 1TS



Dimensions (TH w/LED) + 1US



Dimensions (SMD) + 1VS



HOW TO ORDER illuminated

5 G						
Switch	Mounting	Actuation force	LED	Cap	Colour code	
	TH9 through-hole	20	01 blue	1TS	16 frosted white	
	SH9 surface mount	35	22 green	1US		
		65	42 yellow	1VS		
		Q*	61 white			
			82 red			
			2242 green/yellow			
			8222 red/green			

HOW TO ORDER non-illuminated

5 G						
Switch	Mounting	Actuation force	Cap	Colour code		
	TH9 through-hole	20	1TS	00 blue		
	SH9 surface mount	35	1US	03 grey		
		65	1VS	08 red		
		Q*		09 black		

*Only available for actuation force 2.0N (20) and the letter Q is added to the end of the switch part number. See the ordering example.
Dimensions (mm) Unless otherwise specified, all tolerances +/- 0,2

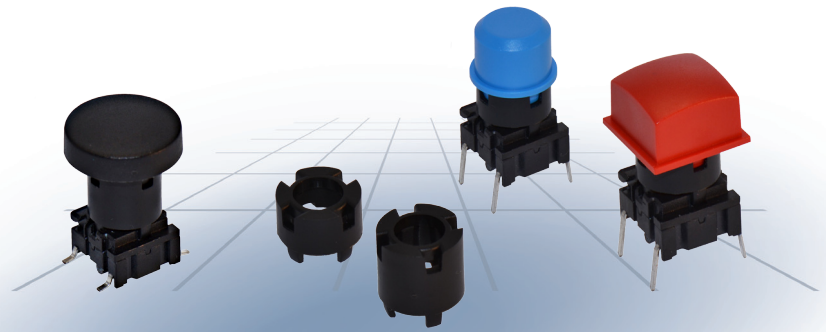
Ordering example: 5GTH935+1TS08 without illumination
5GSH92001+1US16 with illumination
*5GSH92022Q or 5GTH920Q (quiet version)

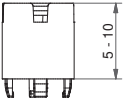
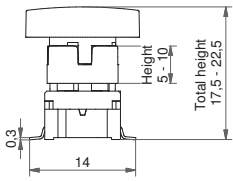
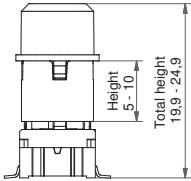
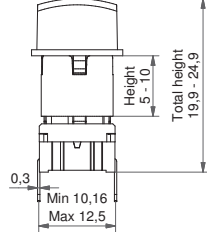
See colour codes on our website: www.mec.dk

For updates of products and/or changes of specifications please see www.mec.dk

Technical Data:

- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations lifetime
- IP67 sealing
- temp. range: switch: -40/+160°C
LED: -30/+85°C
solid keycap: -40/+65°C
transparent keycap: -40/+85°C
- actuation force: 2.0, 3.5, 6.5 N



Dimensions (2SS)	Dimensions (SMD) + 1GCS	Dimensions (SMD) + 1DS	Dimensions (TH) + 1TS
 5mm, 6mm, 7mm, 8mm, 9mm, 10mm	 Height 5-10 Total height 17.5-22.5	 Height 5-10 Total height 19.9-24.9	 Height 5-10 Total height 19.9-24.9

HOW TO ORDER

5 G				+		+	2 S S 0 9 - . 0
Switch	Mounting	Actuation force	(LED)		Cap		Extender 2SS height
	TH9 through-hole	20	01 blue		See the table below		05.0
	SH9 surface mount	35	22 green				06.0
		65	42 yellow				07.0
		Q*	61 white				08.0
			82 red				09.0
			2242 green/yellow				10.0
			8222 red/green				
			8242 red/yellow				



2SS can be used with all 5G-type snap-on caps

All 2SS extenders are stackable giving the possibility to match most overall heights.

Keycap	Original height	Height with a single extender
1DS/1ES/1FS	14.9	19.9-24.9
1GAS/1GCS	12.5	17.5-22.5
1KS/1KBS/1KCS	19.1; 20.2; 20.1	24.1; 25.2; 25.1-29.1; 30.2; 30.1
1NS	14.9	19.9-24.9
1TS/1US/1VS	14.9	19.9-24.9
1WAS/1WDS/1WPS	15.7	20.7-25.7
1XS	18.5	23.5-28.5
1ZCS	11.7	16.7-21.7

*Only available for actuation force 2.0N (20) and the letter Q is added to the end of the switch part number. See the ordering example.

Dimensions (mm) Unless otherwise specified, all tolerances +/- 0,2

Ordering example: 5GTH935+1GAS09+2SS09-06.0

See colour codes on our website: www.mec.dk

*5GSH920Q or 5GTH92082Q (quiet version)

For updates of products and/or changes of specifications please see www.mec.dk

Mouser Electronics

Authorized Distributor

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[1PS06](#) [1TS16](#) [1ES098](#) [1E080](#)