The 10Q/10QM series are 22x22mm square caps with a low building height of 11mm:

- **10Q** has a flat top
- **10QM** has a flat top with a metal plate that leaves a 1mm rim.

Optional parts to the cap series:

- **Spacer** improves activation and sealing functionality (necessity dependent on front panel thickness and design considerations)
- **Sealing** is only necessary when front panel sealing (IP67) is required.

The cap series is designed to be flush with the front panel to give a neat and aesthetic look. Caps can also be front panel sealed to IP67.

10Q/10QM provide many options regarding illumination. As LEDs need to be placed on the PCB to have an even illumination, it is easy to customise your design.

There is full illumination with frosted white 10Q cap and legend illumination with either reverse-printed 10Q or metal legend on 10QM. In case of the legend illumination, there is a ring illumination acting as a light guide.

10Q/10QM cap series is based on Multimec® 5G series PCB mounted switches that have 10 million operating cycles, three standard actuation forces (2.0, 3.5 and 6.5N), and are sealed to IP67. Switches are single pole momentary and can handle more than 100N robustness. The 5G switches have two function options: normal open or normal closed/normal open.

Standard legend options for 10Q/10QM

⏻	–	+	CANCEL	ENTER
OK	ON/OFF	RESET	START	STOP

multimec®

Large square cap with optional metal legend

- Option of having IP67 front panel sealing
- 22 mm x 22 mm; h =11 mm
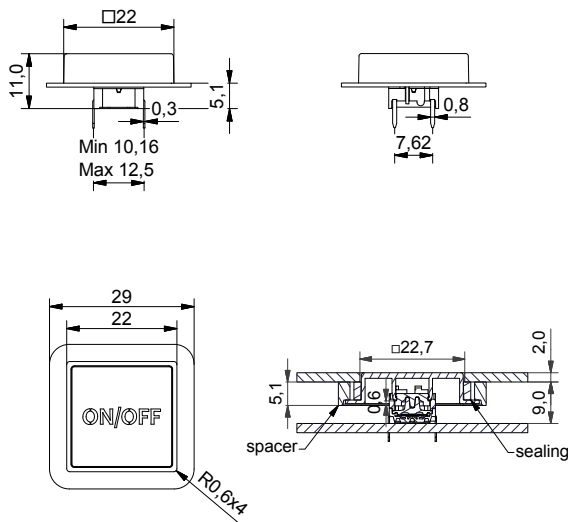- Material: ABS/polycarbonate
- Temp. Range:
  - Solid cap: -40/+65°C
  - Transparent cap: -40/+85°C
- Panel cut-out: 10Q/10QM-22.5 x 22.5
- Height of the spacer=2.9/3.9mm (flush design for 3 or 2mm front panel)

All dimensions in mm

- Cap series is based on Multimec 5G switch:
  - TH or SMD
  - Momentary/single pole
  - 10,000,000 operations
  - Actuations force: 2.0N, 3.5N, 6.5N or 2.0N quiet
  - Temp. range: -40/+160°C
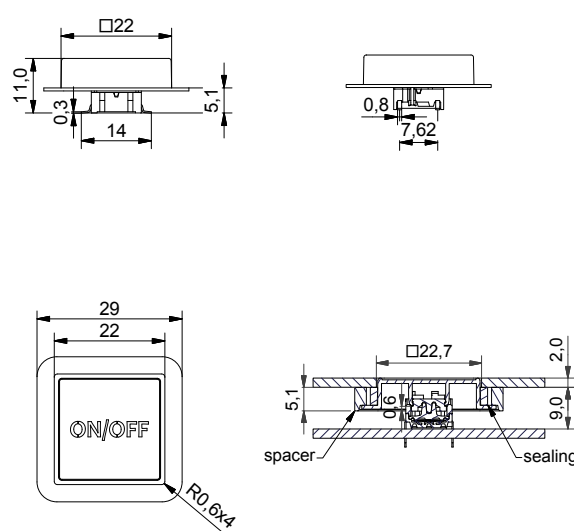 - IP 67 sealing
  - NO or NC/NO

DIMENSIONS

TH + 10Q
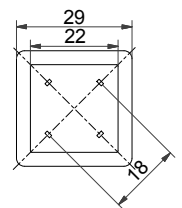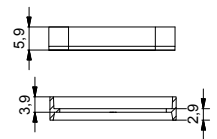

□22, 11,0, 0,3, 5,1, 0,8, Min 10,16, Max 12,5, 7,62

29, 22, 2,0, 5,1, 9,0, □22,7, 0,6, spacer, sealing, R0,6x4

SMD w/LED + 10QM

□22, 11,0, 0,3, 5,1, 0,8, 14, 7,62

29, 22, 2,0, 5,1, 9,0, □22,7, 0,6, spacer, sealing, R0,6x4

PLACEMENT OF LEDS ON PCB

29, 22, 18

SPACER 10QY

5,9, 3,9, 2,9

the two different heights are achieved by flipping the spacer around

ILLUMINATED – HOW TO ORDER

Switch	Mounting	Actuation force	LED	Cap	Sealing	Colour code	Spacer
5 G	☐☐☐	☐☐	☐☐☐☐	+ ☐☐☐☐	☐	☐☐ +	1 0 Q Y

Mounting	Actuation force	LED	Cap	Sealing	Colour code	Spacer
TH9 through-hole	20	01 blue	10Q	W sealing optional	16 frosted white	optional
SH9 surface mount	35	22 green				
	65	42 yellow				
	Q*	61 white	10QM			
		82 red				
		2242 green/yellow				
		8222 red/green				
		8242 red/yellow				

*For an illuminated quiet 2.0N switch add Q to the end of the switch part number.

Legend options:

017 ON/OFF	048 CANCEL	118 OK
018 STOP	054 +	123 ⏻
031 START	059 -	
038 RESET	105 ENTER	

NON-ILLUMINATED– HOW TO ORDER

Switch	Mounting	Actuation force	Cap	Sealing	Colour code	Spacer
5 G	☐☐☐	☐☐☐	+ ☐☐☐	☐	☐☐ +	1 0 Q Y

Mounting	Actuation force	Cap	Sealing	Colour code		Spacer
TH9 through-hole	20	10Q	W sealing optional	00 blue	06 white	optional
SH9 surface mount	20Q			02 green	08 red	
	35			03 grey	09 black	
	65			04 yellow		

Ordering example:
5GSH920+10Q00 non-illuminated OR 5GTH93582+10QM16031 with illumination
Please see colour codes, updates of products and changes of specifications on www.mec.dk