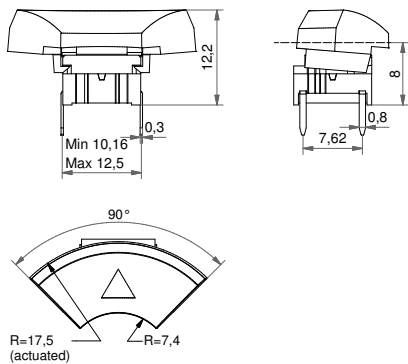# multimec®

Cap solution for navigating

- Round solution
- Designed for navigating a display or controlling a unit
- 90° R=17.5 mm; Ø14.3 mm (Ø34.25 mm)
- h =12.2 mm; 11.7 mm
- Material: ABS/polycarbonate
- Temp. Range:
  - Solid cap: -40/+65°C
  - Transparent cap: -40/+85°C
- Panel cut-out: 1ZB-R$_1$ 7,1 R$_2$ 17,5 – 17,75 90° 1ZCS-Ø14.7
- navimec™ panel cut-out: Ø35,0 - 35,5 Depending on application
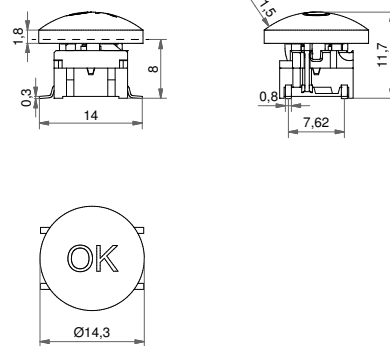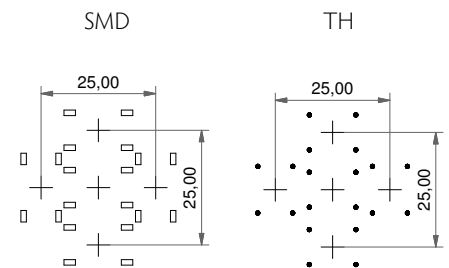- *All dimensions in mm*

DIMENSIONS

TH + 1ZB

SMD w/LED + 1ZCS

PCB layout for Navimec solution

SMD   TH

We recommend using through-hole terminals for precise placing.

ILLUMINATED – HOW TO ORDER

Switch	Mounting	Actuation force	LED		Cap	Legend code
5 G				+	1 Z B 1 6	

Mounting:
TH9 through-hole
(SH9 surface mount)

Actuation force:
20
35
65
Q*

LED:
01 blue
22 green
42 yellow
61 white
82 red
2242 green/yellow
8222 red/green
8242 red/yellow

Cap: 1 Z B 1 6
Frosted white with black soft touch paint and laser marking

1 Z C S 1 6

Legend code:
DLMA1 ▲

LMC1 ⏻
LMC2 OK

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

NON-ILLUMINATED– HOW TO ORDER

Switch	Mounting	Actuation force		Cap	Colour code		Legend code**
5 G			+	1 Z B			

Mounting:
TH9 through-hole
(SH9 surface mount)

Actuation force:
20
20Q
35
65

Cap: 1 Z B

1 Z C S

Colour code:
00 blue
02 green
03 grey
04 yellow
06 white
08 red
09 *black*

30 ultra blue
40 dusty blue
42 aqua blue
50 metal dark blue
53 metal light grey
57 metal dark grey
58 metal bordeaux

Legend code:**
DN1 ▲   pad printed legends

P3 ⏻	P10 MENU
P7 SET	P11 OK
P8 HOME	P12 ENTER
P9 FUNC	P13 RESET

** White legends on black caps are standard, other options are available but considered custom products. See pages 34-35.

Ordering example: 4x 5GTH93561+1ZB16DLMA1 + 1x 5GTH93561+1ZCS16LMC2 (with illumination) OR 4x 5GSH920+1ZB09 + 1x 5GSH920+1ZCS09 (without illumination) OR *5GTH92001Q (lluminated quiet version)
Please see colour codes, updates of products and changes of specifications on www.mec.dk
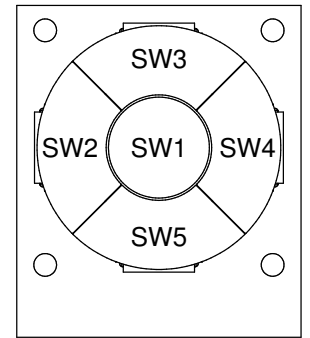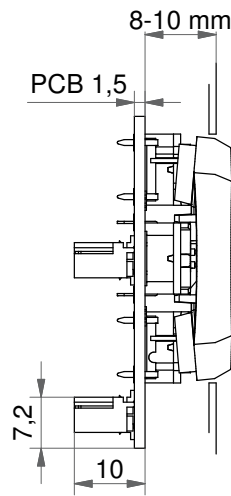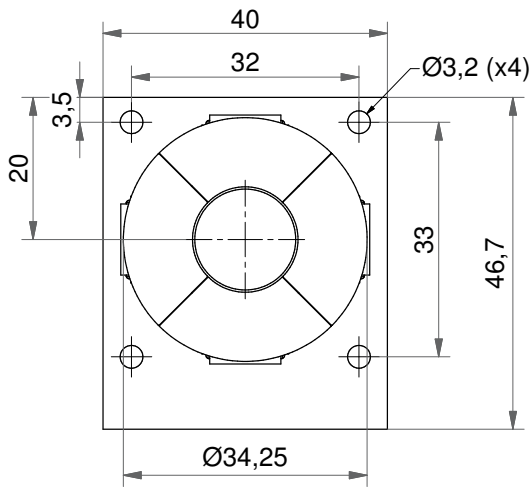
multimec®
Module for navigating

- Module should be attached to the front plate with bolts (bolts not supplied by MEC)
- Round solution
- Ø34.25 mm
- h =11.7 mm; 12.2 mm
- Temp. Range:
  - Solid cap: -40/+65°C
  - Transparent cap: -40/+85°C
- Recommended panel cut-out: Ø35,0 - 35,5 Depending on application

All dimensions in mm

DIMENSIONS

Navimec Module

When the 1ZB is activated the diameter changes from 34,25 mm to 35,0 mm
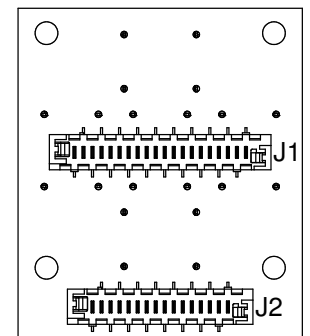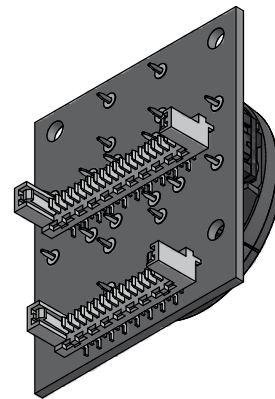
HOW TO ORDER

navimec™ Module ordering options:
- navimec™ Module excl. keycaps
- navimec™ Module incl. keycaps
- navimec™ Module incl. keycaps with legends
- Illuminated navimec™ Module excl. keycaps
- Illuminated navimec™ Module incl. keycaps with legends

Part no. for PCB and connector - 9810130

Part no. for switches and caps:
navimec™ Module has many customisation options regarding actuation force, cap and LED colours and legends. Because of that ordering is based on part numbers of separate parts instead of one specific part number. MEC has the switches mounted on the module before delivery, which is included in the module price.

See previous page for information on switch and cap options as well as the examples below.

Ordering example: 9810130 + 4x 5GTH920 + 1x 5GTH920 (without caps) OR 9810130 + 4x 5GTH965+1ZB42 + 1x 5GTH965+1ZCS42 (with caps) OR 9810130+ 4x 5GTH93501+1ZB16DLMA1 + 1x 5GTH93501 +1ZCS16LMC1 (painted caps with laser engraved legends)
Please see colour codes, updates of products and changes of specifications on www.mec.dk