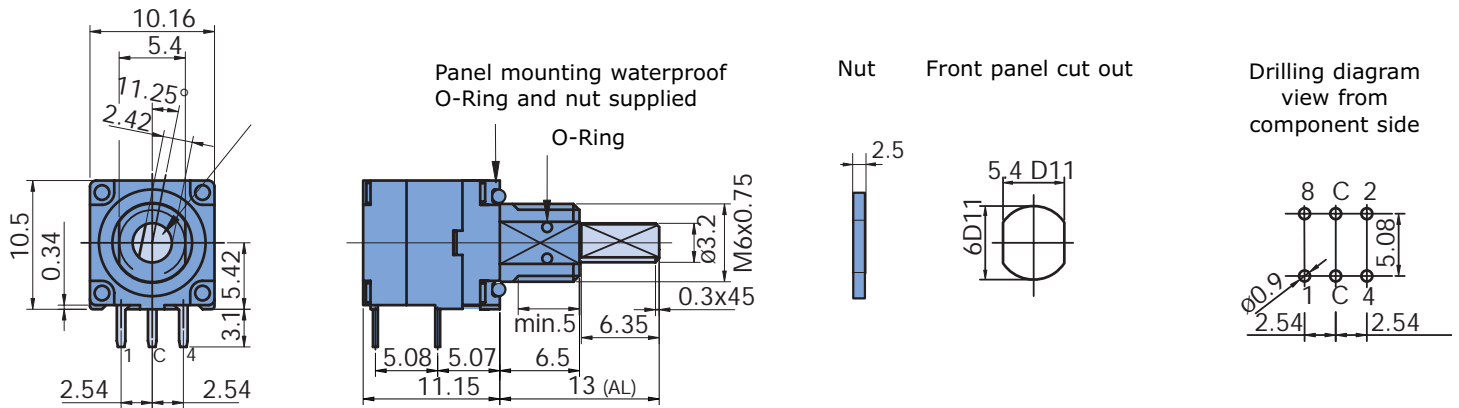
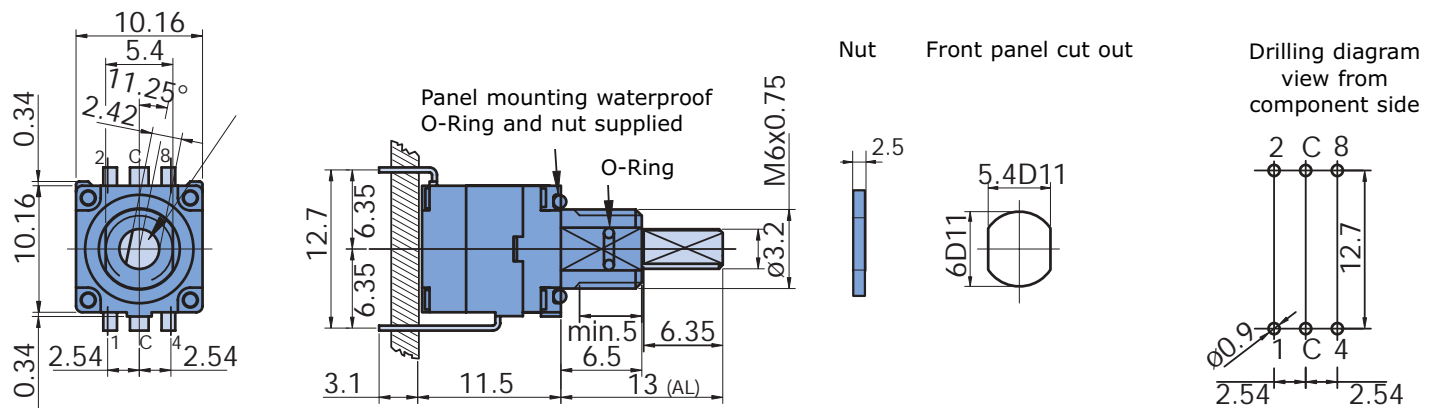


# Coded Switches Type C07A

## Horizontal for panel mounting



## Vertical for panel mounting



### Description

HEX and Gray coding.  
Shorting or non-shorting switch contact.  
Horizontal or vertical version.  
Operation by stainless steel shaft (knob).

Sealed and washable

Rotation with positive detent setting

Solid tinned terminals  
(0,4 x 0,7 mm)

Terminations for direct mounting on circuit boards  
2.54 mm (0.1") pitch

Indexing positions, end stop according to the code 16 positions with stop between the first and last position

Reflow version available on request

# Coded Switches Type C07A

## Technical information

### Mechanical data

*Indexing mechanism*  
22° 30' = 16 positions  
(HEX and Gray code)

*Switching torque*  
3,2 Ncm  
± 25% (HEX and Gray code)

*Max. force on the end-stop*  
45 Ncm  
(HEX and Gray code)

*Temperature range*  
Storage temperature: -40 °C to +85 °C  
Operating temperature: -25 °C to +85 °C

*Vibration resistance*  
10-2000 Hz/10 g

*Life*  
>10000 switching cycles  
(>320000 switching positions HEX or Gray)

*Panel mounting*  
admissible torque max. 100 Ncm

### Material data

*Die Case*  
pressure cast, not plated

*body*  
high quality  
temperature-resistent  
thermoplastic

*Spindle-shaft*  
stainless steel

*Insulation*  
high quality thermoplastic

*Contact parts*  
alloy copper > 3 µm gold plated

### Soldering data

*Handsoldering*  
Plastic wafer ≤ 5 s/≤ 260 °C

*Machine soldering*  
Wave ≤ 5 s/≤ 260 °C  
Reflow (THR) ≤ 5 s/≤ 260 °C  
(on request)

### Electrical data

*Output*  
16 pos: HEX, HEX compl. Gray Code

*Application data*  
Voltage < 42 V  
Current < 2 A

*Switching capacity*  
5 VA

*Switching voltage*  
≤ 24 V (resistive load)

*Switching current*  
≤ 0,2 A (resistive load)

*Test voltage at 50 Hz/i min*  
≥ 500 V ~

*Insulation resistance at 500 V = 1 min*  
≥ 10<sup>11</sup> Ω

*Contact and lead resistance*  
< 100mΩ in new condition

### Various

*Assembled in cleanroom*  
Class 100 000, US Federal Standard

Sealed and washable

*IP protection degree*  
Spray proof IP64

## Coding

### HEX

	2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>
0				
1				●
2			●	
3			●	●
4		●		
5		●		●
6		●	●	
7		●	●	●
8	●			
9	●			●
A	●		●	
B	●		●	●
C	●	●		
D	●	●		●
E	●	●	●	
F	●	●	●	●

### HEX complem.

	2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>
0	●	●	●	●
1	●	●	●	
2	●	●		●
3	●	●		
4	●		●	●
5	●		●	
6	●			●
7	●			
8		●	●	●
9		●	●	
A		●		●
B		●		
C			●	●
D			●	
E				●
F				

### Gray Code

	2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>
0				
1				●
2			●	●
3			●	
4		●	●	
5		●	●	●
6		●		●
7		●		
8	●	●		
9	●	●		●
A	●	●	●	●
B	●	●	●	
C	●		●	
D	●		●	●
E	●			●
F	●			

