



# DATA SHEET

## THT BCD ROTARY Switch 3/3 Pitch 2,54x2,54mm 90°

**Serie: Q27038**

THT BCD ROTARY Switch 3/3 Pitch 2,54x2,54mm 90°	
Serie No.:	<b>Q27038</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	09.08.2022
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 6

# EDCON-COMPONENTS



## Specifications

### Material

Housing/Knob: Thermoplastic  
 O-Ring: Silicone Rubber  
 Terminal: Precise metal on phosphor bronze  
 Colour of Housing: Black

### Mechanical:

Switching Positions: 8, 10, 16 positions  
 Operating force: 350gr-cm max.  
 Life: 10.000detens

### Electrical:

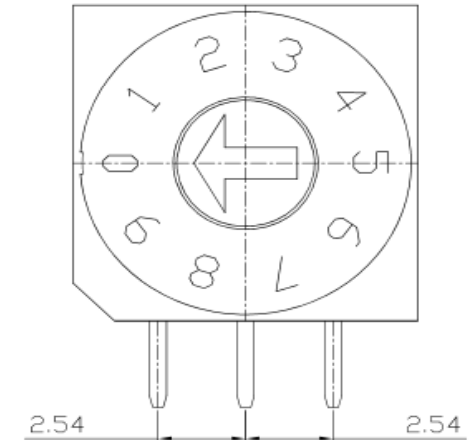
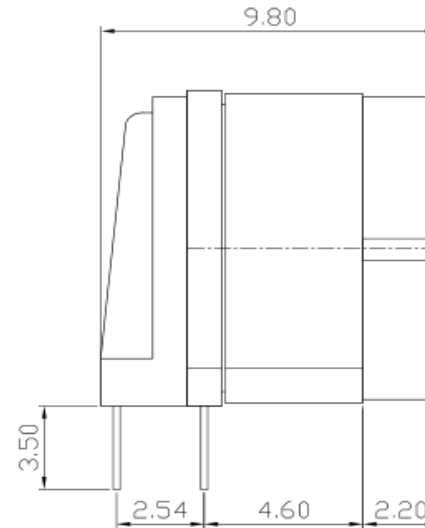
Max. Load Rating: 50mA, 24VDC  
 Switching: 100mA, 50VDC  
 Non Switching: 100mΩ max.  
 Contact Resistance: 1000M Ω at 100VDC  
 Insulation Resistance: 250VAC for 1 minute  
 Dielectric Strength:

### Environmental:

Operating Temperature: -40°C to +85°C  
 Soldering Temperature: max. 250 ± 5°C for 5 seconds

## Features

Fully Sealed construction  
 Low Profile , Low Cost  
 Gold Plated contacts  
 Molded-In terminals  
 Snap-In mounting on PCB



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## Switch Code

BCD Order Code = 08S					
Position	BCD Real 8 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					

BCD Order Code = 16S					
Position	BCD Real 16 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					

BCD Order Code = 10C					
Position	BCD Complement 10Pos.				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

BCD Order Code = 10S					
Position	BCD Real 10 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

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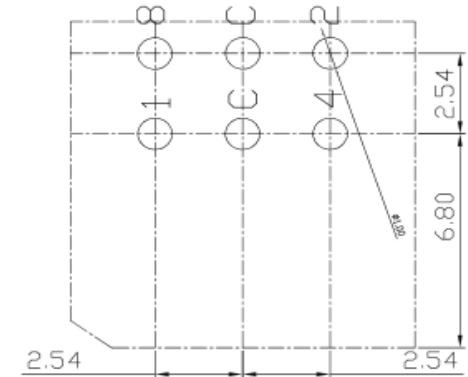


Switch Code

Technical Dimensions (mm)

PCB Layout (mm)

BCD Order Code = 16C					
Position	BCD Complement 16 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					



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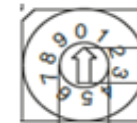
## Ordering Informations

Serie	BCD Order Code	Rotor Style	Terminal Style	ROHS	Packing Code					
<b>Q27038</b>	<b>10S</b>	<b>0</b>	<b>33</b>	<b>R</b>	<b>TU</b>					

<b>10S=</b> Type 10S	<b>0=</b> Arrow for Screwdriver <b>7=</b> Cross Style for Accessories	<b>33=</b> (3+3) Legs P2,54	<b>R=</b> ROHS Conform	<b>TU=</b> Tube Packing
<b>16S=</b> Type 16S			<b>N=</b> NON ROHS Conform	<b>TY=</b> Tray Packing
<b>10C=</b> Type 10C				<b>BU=</b> Bulk Ware
<b>16C=</b> Type 16C				

**Rotor Style 0**  
SCREWDRIVER

**Rotor Style 7**  
Cross for Accessories



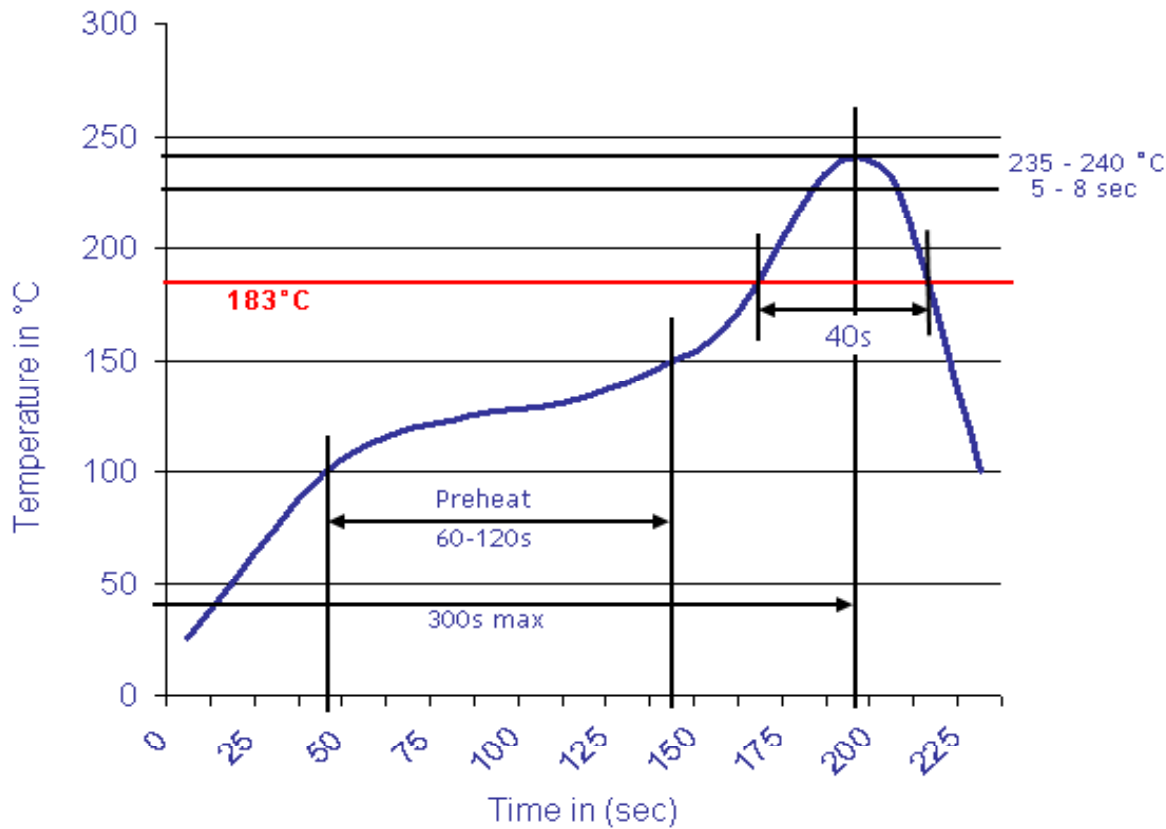
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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