



# DATA SHEET

## THT BCD ROTARY Switch

**Serie: Q27001**

<b>THT BCD ROTARY Switch</b>	
Serie No.:	<b>Q27001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 6	

# EDCON-COMPONENTS



## Specifications

### Material

Housing/Knob: Thermoplastic  
 O-Ring: Silicone Rubber  
 Terminal: Precious metal on phosphor bronze

### Mechanical:

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

### Electrical:

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

### Environmental:

Operating Temperature: . -25°C to +70°C  
 Storage 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

**THT BCD ROTARY Switch**

Part No.: **Q27001**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 6

# EDCON-COMPONENTS



Switch Code

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

BCD Order Code = 16S					
Position	BCD 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 10 Position				
	Common c contacted				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

<b>THT BCD ROTARY Switch</b>	
Part No.:	<b>Q27001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 6

# EDCON-COMPONENTS

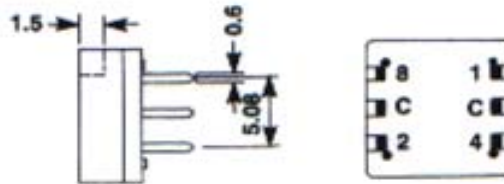
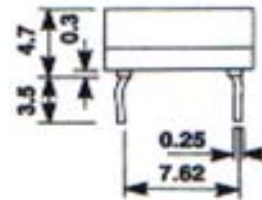
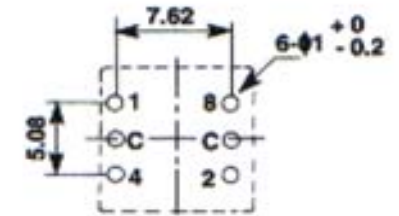
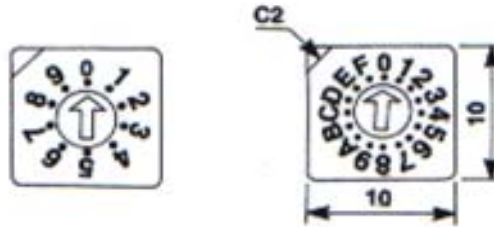


Switch Code

Technical Dimensions (mm)

PCB Layout (mm)

Position	BCD Order Code = 16C				
	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					



Terminal Order Code 3 = (3+3)

<b>THT BCD ROTARY Switch</b>	
Part No.:	<b>Q27001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy			Sheet No.	4 from 6

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS



## Ordering Informations

Serie	BCD Order Code	Rotor Style	Terminal Style	ROHS	Packing Code					
<b>Q27001</b>	<b>10S</b>	<b>00</b>	<b>3</b>	<b>R</b>	<b>TU</b>					

<b>10S=</b> Type 10S	<b>00=</b> Flat Type	<b>3=</b> (3+3) Legs	<b>R=</b> ROHS Conform	<b>TU=</b> Tube Packing
<b>08S=</b> Type 08S			<b>N=</b> NON ROHS Conform	<b>TY=</b> Tray Packing
<b>16S=</b> Type 16S				<b>BU=</b> Bulk Ware
<b>10C=</b> Type 10C				
<b>16C=</b> Type 16C				

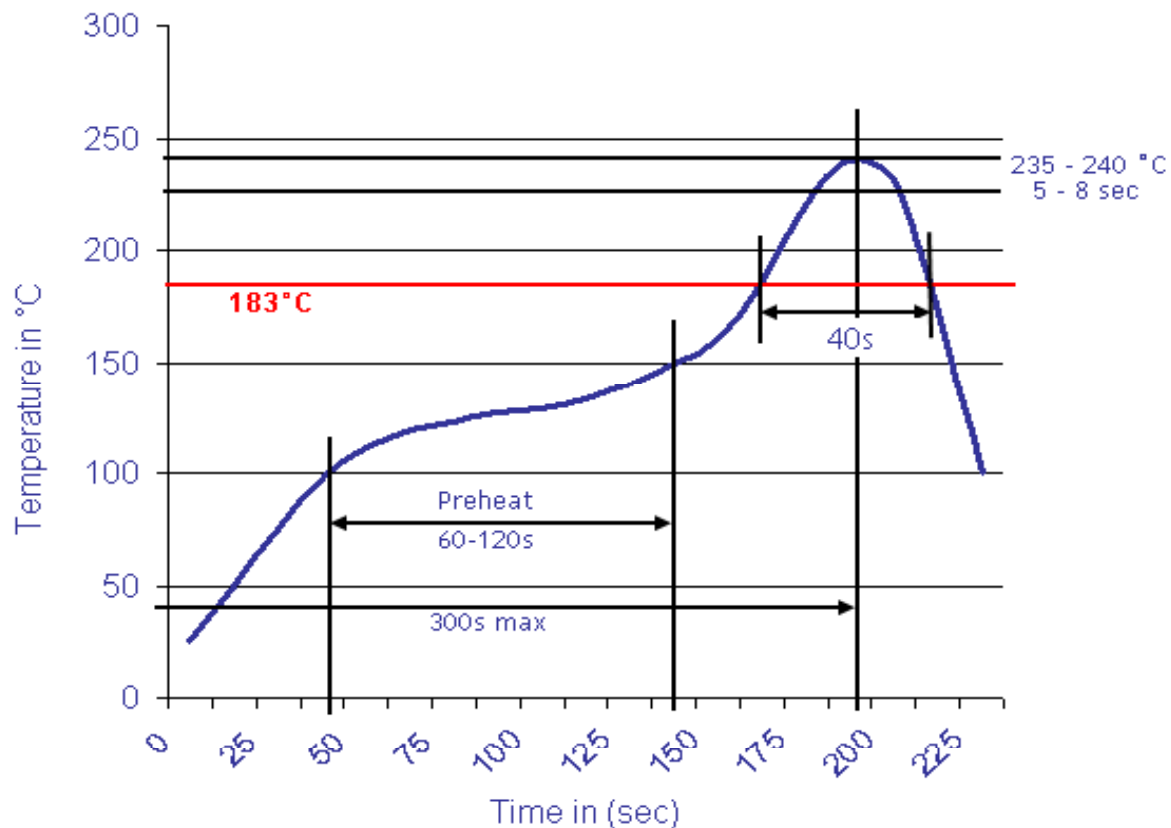
<b>THT BCD ROTARY Switch</b>	
Part No.:	<b>Q27001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.		5 from 6



Soldering Profile Curve

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



<b>THT BCD ROTARY Switch</b>	
Part No.:	<b>Q27001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.01.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.		6 from 6