

DATA SHEET

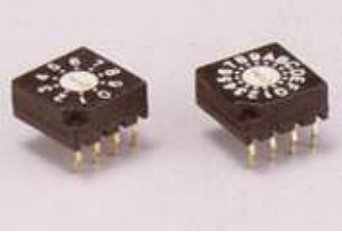
THT BCD ROTARY Switch

Serie: Q27010

| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Serie No.: | Q27010 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| 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.
 Life: 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 +80°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

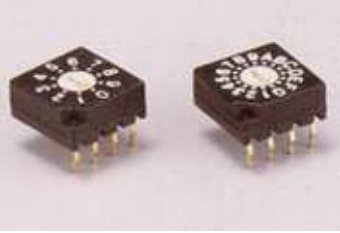
THT BCD ROTARY Switch

Part No.: **Q27010**

Customer:

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| 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 | | | | | |

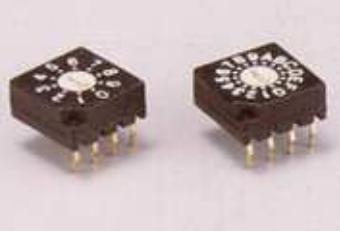
| BCD Order Code = 10C | | | | | |
|----------------------|-----------------------|---|---|---|---|
| Position | BCD Complement 10Pos. | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6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

| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Part No.: | Q27010 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 2 from 6 |

EDCON-COMPONENTS



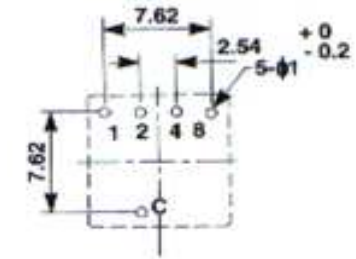
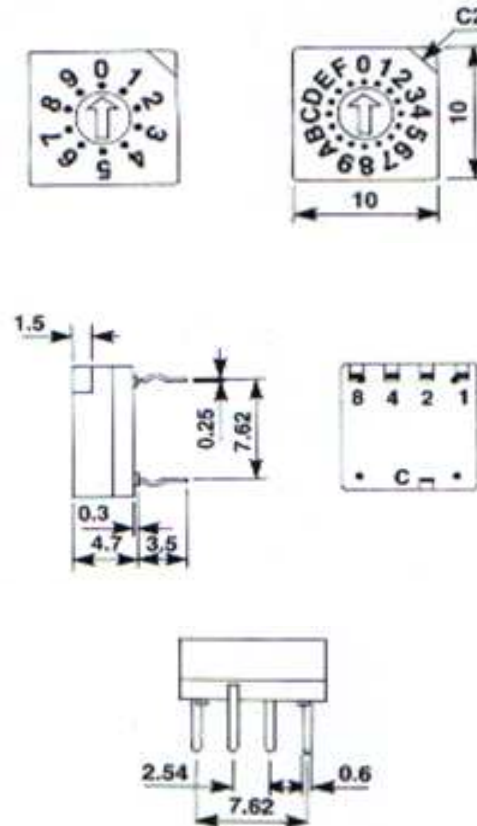
Switch Code



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 | | | | | |



Terminal Order Code 4 = (4+1)

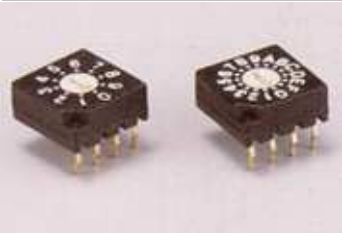
| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Part No.: | Q27010 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 4 from 6 |

www.edcon-components.com

email: info@edcon-components.com

EDCON-COMPONENTS



Ordering Informations

| Serie | BCD Order Code | Rotor Style | Terminal Style | ROHS | Packing Code | | | | | |
|---------------|----------------|-------------|----------------|----------|--------------|--|--|--|--|--|
| Q27010 | 10S | 00 | 4 | R | TU | | | | | |

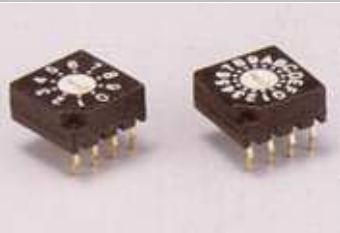
| | | | | |
|-----------------------|--|-----------------------|-----------------------------|--------------------------|
| 10S = Type 10S | 00 = Flat Knob Type with Cross-Slit Style | 4 = (4+1) Legs | R = ROHS Conform | TU = Tube Packing |
| 08S = Type 08S | | | N = NON ROHS Conform | TY = Tray Packing |
| 16S = Type 16S | 01 = Flat Knob Type w. Slit-Style | | | BU = Bulk Ware |
| 10C = Type 10C | | | | |
| 16C = Type 16C | | | | |

| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Part No.: | Q27010 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 5 from 6 |

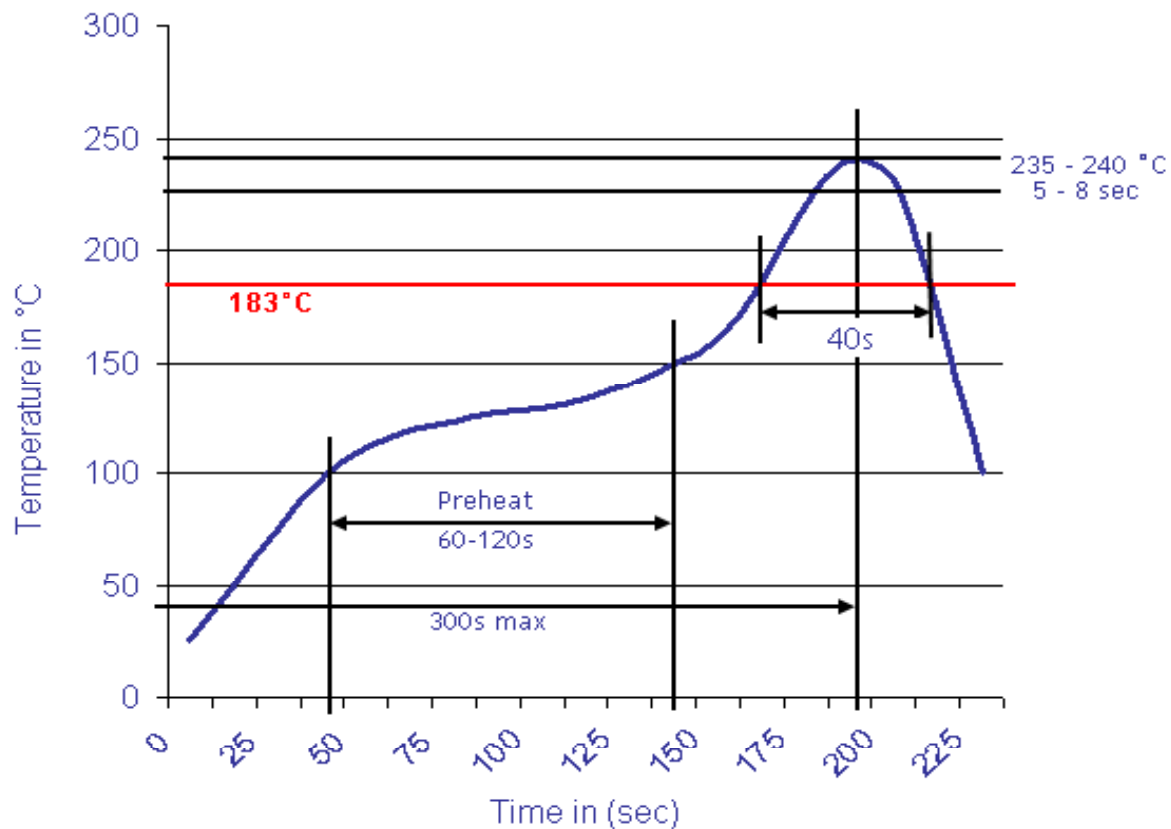
www.edcon-components.com

email: info@edcon-components.com



Soldering Profile Curve

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



| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Part No.: | Q27010 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 13.07.2022 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 6 from 6 | |