

## Microcode Rotary Switch 528

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This microcode rotary switch is specially designed for the latest technology: surface mounting. SMD-technology needs resistance against all kinds of cleaning solvents and high temperature resistance to allow reflow-, vapour- or dip-soldering. Different kinds of terminations can be realized:

- gull wing
  - J-hook
  - for conventional soldering into the PCB ( with 3.5 mm long pins)
- Six different codes can be delivered:
- 8 position binary code
  - 10 position binary code
  - 16 position hexadecimal code
  - 10 position complementary code
  - 16 position complementary hexadecimal code
  - 10 position gray code

<b>Specification</b>	Miniature rotary switch for BCD, hexa, gray or complementary codes, 8, 10, 16 positions
<b>Dimensions</b>	7.2 x 7.1 x 3.7 mm
<b>Pining</b>	DIL spacing or SMD

### *technical data*

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#### **Construction**

Function:           bbm  
Pining:             2,54 mm  
Outline dimensions: see drawings

#### **Electrical datas**

Switching voltage:           max. 30 V  
Switching current:           max. 100 mA  
Contact resistance:           < 100 mOhm  
Insulation resistance:        > 100 mOhm

**Insulation material**

Housing: steel  
Contact body: Thermoplast UL-94-V0  
Actuator: Thermoplast UL-94-V0

**Environmental conditions**

Operating temperature: -40°C bis +125°C  
Storage temperature: -40°C bis +135°C  
Soldering time/conditions: max. 5 sec. +260°C, wave  
reflow or dip-soldering  
suitable

**Contact materials**

Fixed contacts: Cu Sn gal. Ni1 Au1  
Sliding contacts: Cu Be gal. Ni1 Au1  
Pins: Sn

**Standard version**

Life expectancy: > 200 operations  
Operating force: 1.5 Ncm +/- 0,3 Ncm

**Special version**

Life expectancy: > 1.000 operations  
Operating force: 1.0 Ncm +/- 0,3 Ncm