

Microcode Rotary Switch 527



Specifications	Miniature rotary switch for BCD, hexa, gray or complementary codes, 8, 10, 16 positions
Dimensions	7.2 x 7.1 x 2.7 mm
Pining	DIL spacing or SMD

This binary or complementary coded 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)

The switch is operated from the top with a screw-driver.

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 code
- 10 position gray code

technical data

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

Contact materials

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

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

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