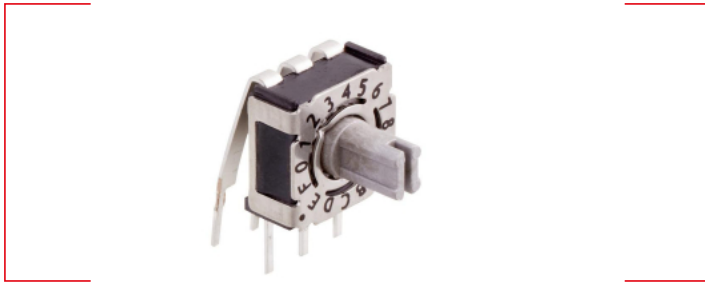


Rotary Code Switch

Angular 2.54 mm Through Hole Reflow



Highlights

- Solid PCB pins
- Contacts with abrasion resistant hard gold plating
- Central C-contact
- Extra sealed design with high temperature resistance
- Switches are solder and flux sealed and washable
- 100 % electronic inspection and testing
- 90° turned zero position available
- Pin rows with initial tension, no automated assembly possible

Mechanical Data

Type	vertical
Fixation mode	THR
Height	7.7 mm
Length	5.24 mm
Width	7.4 mm
Pin connection	3+3
Torque	1.2 ± 0.2 Ncm
Mechanical lifetime	25.000 steps
Positions per rotation	10 16 - more versions on request
Perm. ambient temperature	-50 °C ... +125 °C
Perm. storage temperature	-55 °C ... +135 °C
Degree of protection	comparable IP67
Sealing	O-Ring
Humidity	21 days at 40 °C, 93 %RH
THR through holes	plated through
THR PCB hole diameter	0.8 mm
Outside diameter plated land	1.8 mm
Sinus-vibration testing	acc. IEC 68-2-6
Frequency range	10 Hz ... 500 Hz ... 10 Hz, sliding
Acceleration	10.0 g
Amplitude	6.0 mm

Rotary Code Switch

Angular 2.54 mm Through Hole Reflow

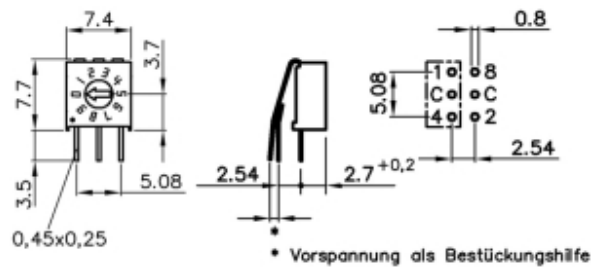
Mechanical Data

Shock testing	acc. IEC 68-2-27
Shock acceleration amplitude	50.0 g
Duration of nominal shock	11.0 ms
Directions	6 ($\pm x$, $\pm y$, $\pm z$) 3 times each
Reflow soldering	JEDEC J-STD-020 E
Wave soldering	Double Wave acc. DIN EN 61760-1:2006
Iron soldering	4 s / 350 °C

Electrical Data

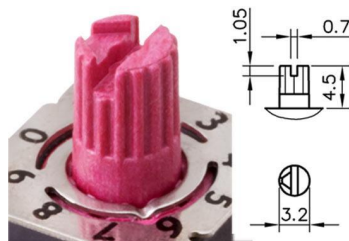
Operating voltage	≤ 42.0 V
Standby current	≤ 0.4 A
Contact load, dynamic	≤ 0.1 A
Minimum load	1.0 μ A 20.0 mVDC
Test voltage	250.0 V 50 Hz / 1.0 min
Contact resistance	< 80.0 mOhm
Insulation resistance	> 100.0 MOhm

Technical Drawing



Configuration

Actuators



Spindle

Technical data

// P36THR 3 01 L254 -

Rotary Code Switch
Angular 2.54 mm Through Hole Reflow

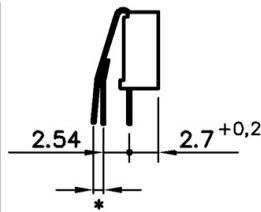
Codes

Code 01 - BCD

Position	Terminals					Marking
	C	1	2	4	8	
0	•					0
1	•	•				1
2	•		•			2
3	•	•	•			3
4	•			•		4
5	•	•		•		5
6	•		•	•		6
7	•	•	•	•		7
8	•				•	8
9	•	•			•	9

BCD, 10

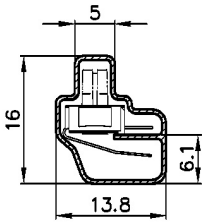
Contact pins



* Vorspannung als Bestückungshilfe

left angular 2.54 mm

Packing



Tube