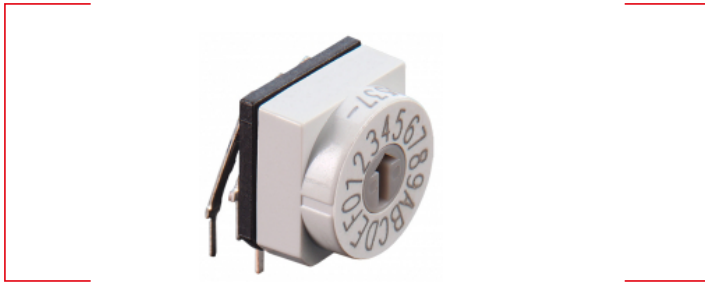


Rotary Code Switch

Left angular 2.54 mm pitch



Highlights

- Solid PCB pins
- Contacts with abrasion resistant hard gold plating
- Extra sealed design
- Switches are solder and flux sealed and washable
- Excellent detent, once more improved
- 100 % electronic inspection and testing

Mechanical Data

Type	vertical
Fixation mode	THT
Height	10.0 mm
Length	9.34 mm
Width	10.0 mm
Pin connection	3+3
Perm. ambient temperature	-20 °C ... +70 °C
Perm. storage temperature	-40 °C ... +85 °C
Torque	(typically) 1.7 Ncm
Mechanical lifetime	30.000 steps
Degree of protection	comparable IP67
Sealing	O-Ring
Humidity	21 days at 40 °C, 93 %RH
Iron soldering	2 s / 340 °C
Sinus-vibration testing	acc. IEC 68-2-6
Frequency range	10 Hz ... 500 Hz ... 10 Hz, sliding
Amplitude	6.0 mm
Acceleration	10.0 g
Shock testing	acc. IEC 68-2-27
Shock acceleration amplitude	50.0 g
Duration of nominal shock	11.0 ms
Directions	6 (±x, ±y, ±z) 3 times each
Wave soldering	Double Wave acc. DIN EN 61760-1:2006



PTR HARTMANN

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Technical data

// PT65 1 03 L254

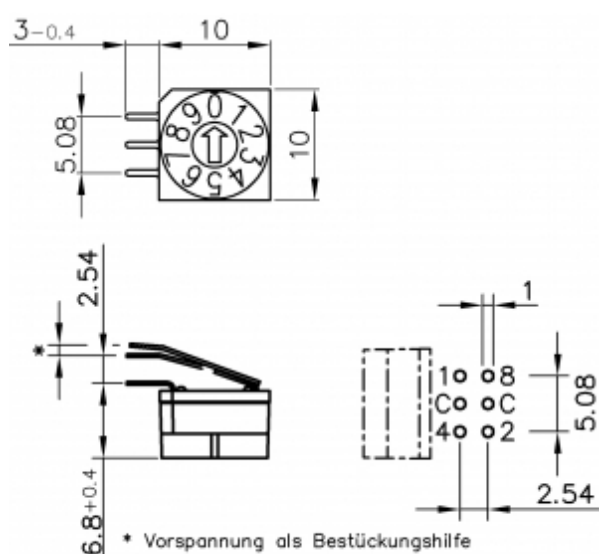
Rotary Code Switch

Left angular 2.54 mm pitch

Electrical Data

Operating voltage	$\leq 42.0 \text{ V}$
Standby current	$\leq 0.2 \text{ A}$
Contact load, dynamic	$\leq 0.15 \text{ A}$
Minimum load	$1.0 \mu\text{A } 20\text{mVDC}$
Test voltage	$250.0 \text{ V } 50 \text{ Hz} / 1.0 \text{ min}$
Contact resistance	$< 80.0 \text{ m}\Omega$
Insulation resistance	$> 100.0 \text{ M}\Omega$

Technical Drawing



Initial tension for easy
manual PCB assembly

Configuration

Actuators



Arrow-shaped slot

Technical data

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Rotary Code Switch

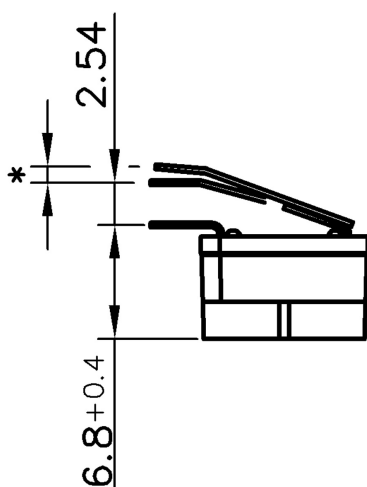
Left angular 2.54 mm pitch

Codes

Hexadezimal Typ 03						
	C	1	2	4	8	
0	●					0
1	●	●				●
2	●		●			2
3	●	●	●			●
4	●			●		4
5	●	●		●		●
6	●		●	●		6
7	●	●	●	●		●
8	●				●	8
9	●	●			●	●
10	●		●		●	A
11	●	●	●		●	●
12	●			●	●	C
13	●	●		●	●	●
14	●		●	●	●	E
15	●	●	●	●	●	●

Hexadecimal, 16

Contact pins



Left angular 2.54 mm



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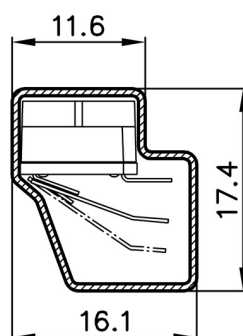
Technical data

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Rotary Code Switch

Left angular 2.54 mm pitch

Packing depending on acutator



Tube PT65 1...L254