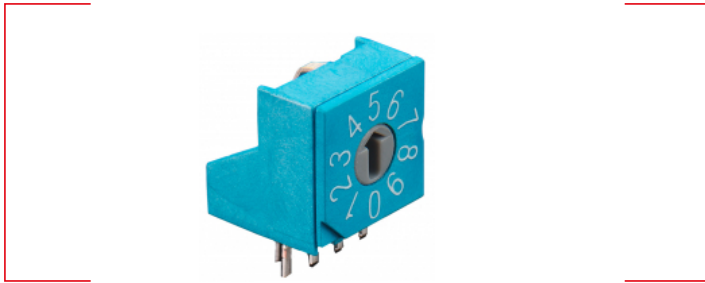


Rotary Code Switch

Angular Through Hole Reflow



Highlights

- Solid PCB pins
- Contacts with abrasion resistant hard gold plating
- Extra sealed design with high temperature resistance
- Switches are solder and flux sealed and washable
- 100 % electronic inspection and testing

Mechanical Data

Type	vertical
Fixation mode	THR
Fixation mode	THR
Height	10.7 mm
Length	10.2 mm
Width	10.0 mm
Pin connection	4+1
Perm. ambient temperature	-25 °C ... +85 °C
Perm. storage temperature	-40 °C ... +85 °C
Torque	(typically) 2.5 Ncm
Mechanical lifetime	10.000 steps
Degree of protection	comparable IP67
Sealing	O-Ring
Shock and vibration testing	acc. IEC 60068
Humidity	21 days at 40 °C, 93 %RH
Reflow soldering	10 s / 260 °C
Wave soldering	Double Wave acc. DIN EN 61760-1:2006
Iron soldering	2 s / 340 °C
THR through holes	plated through
THR PCB hole diameter	1.0 mm
Outside diameter plated land	1.8 mm



PTR HARTMANN

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Technical data

// P60DTHR 1 01 L508 TR

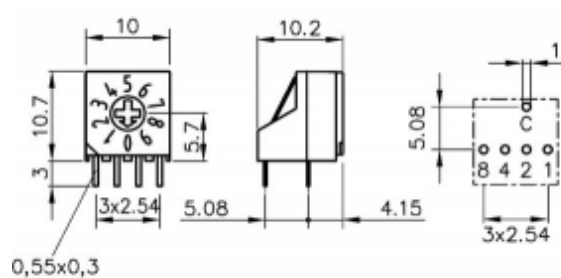
Rotary Code Switch

Angular Through Hole Reflow

Electrical Data

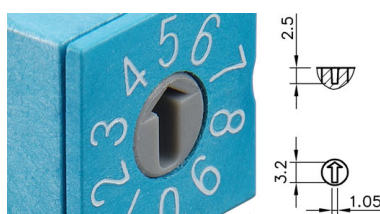
Operating voltage	$\leq 42.0 \text{ V}$
Standby current	$\leq 0.4 \text{ A}$
Contact load, dynamic	$\leq 0.15 \text{ A}$
Minimum load	$1.0 \mu\text{A } 20\text{mVDC}$
Test voltage	$250.0 \text{ V } 50 \text{ Hz} / 1.0 \text{ min}$
Contact resistance	$< 100.0 \text{ m}\Omega$
Insulation resistance	$> 100.0 \text{ M}\Omega$

Technical Drawing



Configuration

Standard actuators



Arrow-shaped slot

Technical data

// P60DTHR 1 01 L508 TR



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Rotary Code Switch

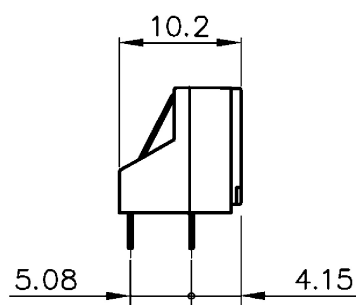
Angular Through Hole Reflow

Codes

BCD Typ 01						
	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

Contact pins

BCD, Pos 10



Left angular 5.08 mm

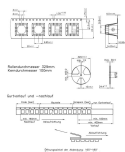
Technical data

// **P60DTHR 1 01 L508 TR**

Rotary Code Switch

Angular Through Hole Reflow

Packing



Tape on
Reel
Packing