

DH1 series

Thumb wheel switches



DISTINCTIVE FEATURES

Diameter 13 mm

Width 16 mm

SMT Gull Wing

10 Position BCD



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: -50 °C to +125 °C (-58 °F to +257 °F)
- Storage temperature: -55 °C to +135 °C (-67 °F to +275 °F)
- Humidity : 21 days at 40 °C (104 °F) 93% RH



ELECTRICAL SPECIFICATIONS

- Operating voltage : 42 VDC max.
- Contact load, static : 400 mA max.
- Contact load, dynamic : 100 mA max.
- Initial contact resistance : 80 mΩ max.
- Insulation resistance : 100 MΩ min.
- Minimum load : 1 μA 20 mVDC
- Insulation resistance : 100 MΩ min.
- Test voltage: 250 V 50 Hz / 1 min



MECHANICAL SPECIFICATIONS

- Torque : 1.2 Ncm ± 0.2
- Mechanical lifetime : min. 25 000 steps

The company reserves the right to change specifications without notice.



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MATERIALS

- Housing : plastic
- Cover : stainless steel
- Fixed contact, pins : copperalloy
- Moveable contacts : copperalloy
- Contact surface : hardgold
- Rotor: plastic
- O-ring : rubber
- Washer : stainless steel
- Wheel : plastic



SOLDERING

- Reflow soldering : 260 °C (500 °F) max. for 10 seconds max.



PACKAGING

- Tape and Reel

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BUILD YOUR PART NUMBER

DH1

SERIES

—

CODES

01A BCD 10 Positions

—

FOR PCB

L Left
R Right

SMT

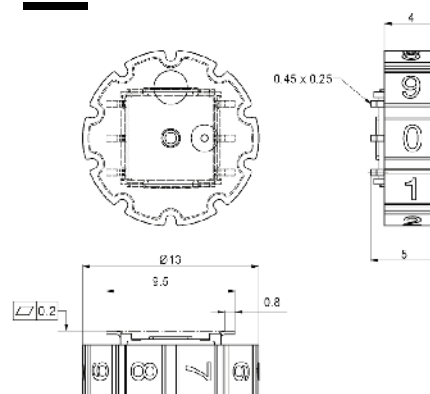
CONTACT PINS

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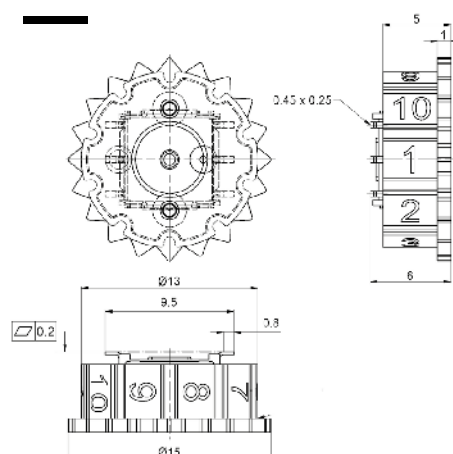
COLORS, PRINTING,
OTHER VERSIONS

- | | |
|------------|--|
| 001 | Thumb wheel black, printing white, 1-10, with crown |
| 002 | Thumb wheel black, printing white, 1-10, without crown |
| 003 | Thumb wheel black, printing white, 0-9, with crown |
| 004 | Thumb wheel black, printing white, 0-9, without crown |

WITHOUT OPERATING CROWN



WITH OPERATING CROWN



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CODES



01A BCD 10 Positions

POSITION MARKING

POSITION	C	1	2	4	8	MARKING
0	●					1
1	●	●				2
2	●		●			3
3	●	●	●			4
4	●			●		5
5	●	●		●		6
6	●		●	●		7
7	●	●	●	●		8
8	●				●	9
9	●	●			●	10

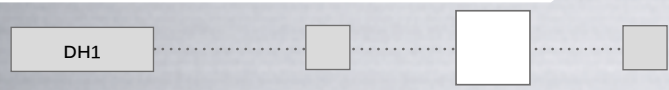
Left

POSITION MARKING

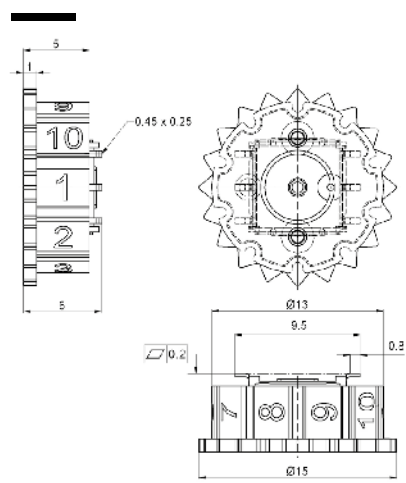
POSITION	C	1	2	4	8	MARKING
0	●					1
9	●	●			●	2
8	●				●	3
7	●	●	●	●		4
6	●		●	●		5
5	●	●		●		6
4	●			●		7
3	●	●	●			8
2	●		●			9
1	●	●				10

Right

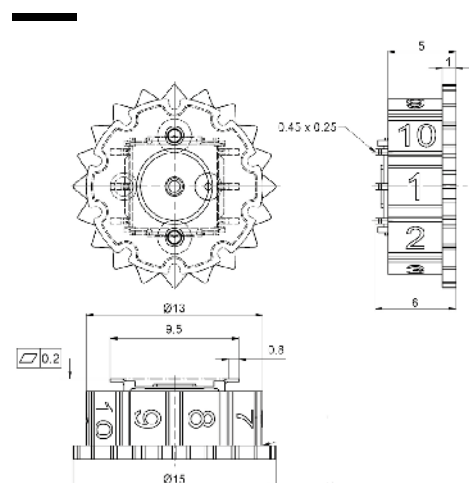
FOR PCB



L Left
R Right

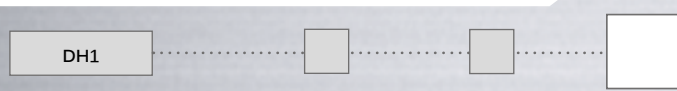


Left

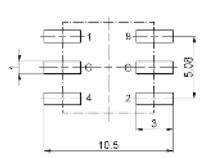


Right

CONTACT PINS



SMT



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[DH101ALSMT001](#) [DH101ALSMT002](#) [DH101ARSMT001](#) [DH101ARSMT002](#)