



Technical data // **P36THR 3 03 L254 -**

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 |



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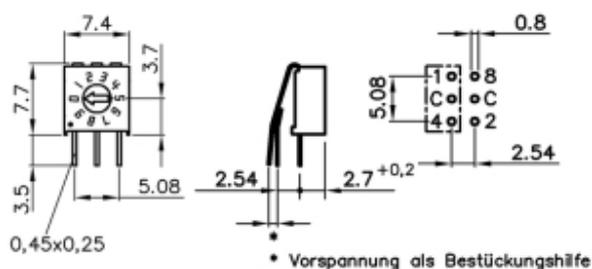
Mechanical Data

| | |
|------------------------------|--|
| 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

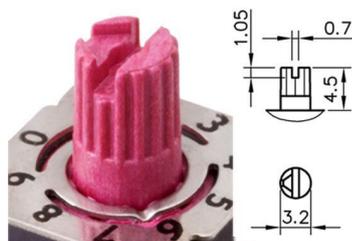
| | |
|-----------------------|-------------------------|
| Operating voltage | ≤ 42.0 V |
| Standby current | ≤ 0.4 A |
| Contact load, dynamic | ≤ 0.1 A |
| Minimum load | 1.0 μ A 20.0 mVDC |
| Test voltage | 250.0 V 50 Hz / 1.0 min |
| Contact resistance | < 80.0 mOhm |
| Insulation resistance | >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

Technical Drawing



Configuration

Actuators



Spindle



Technical data

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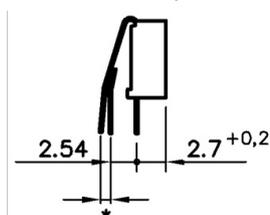
Codes

**Code 03 -
Hexadecimal**

| 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 |
| 10 | • | | • | | • | A |
| 11 | • | • | • | | • | B |
| 12 | • | | | • | • | C |
| 13 | • | • | | • | • | D |
| 14 | • | | • | • | • | E |
| 15 | • | • | • | • | • | F |

Contact pins

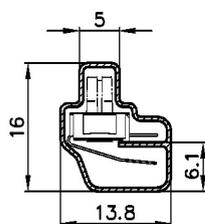
Hexadecimal, 16



* Vorspannung als Bestückungshilfe

left angular 2.54 mm

Packing



Tube