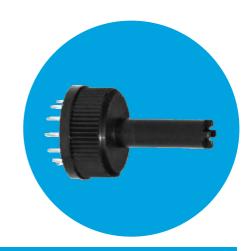


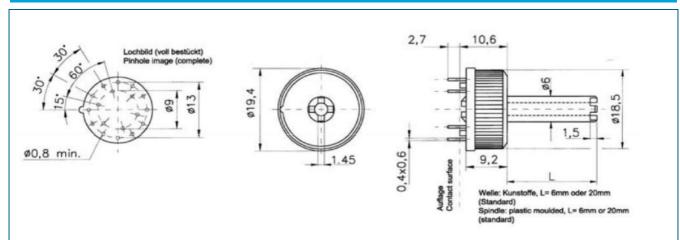
Rotary knob switches

Serie 419

Type 419

Basic design: width 19.4 mm, plastic moduled spindle diameter 6 mm





Technical data

| Switch resistance initial value | ≤ 25 mΩ | Switching mode | Non shorting (white bottom plate), shorting (black bottom plate) |
|---|------------------------|-------------------------------------|--|
| Switch resistance after 15 000 cycles | ≤ 50 mΩ | Number of wafers | 1 / single wafer |
| Insulation resistance | 1 x 10 ⁹ Ω | Indexing angle | 30° |
| Test voltage | 1 kV- / 1 kV DC | Stops | Fixed or without stop |
| Switching voltage | Max. 150 V DC / AC | Operating torque | 2 - 4.5 Ncm |
| Switching current | Max. 130 mA, Ag plated | Solder terminals | For printed circuit |
| Switching power | Max. 5 VA, Ag plated | Contact material | Silver plated copper alloy |
| Steady current at 20 °C ambient temperature | 3 A | Insulation material | Plastic |
| Operating life at maximum power | ≥ 15 000 cycles | Spindle | Plastic, L = 6 or 20 mm (Standard) |
| Operating life no load | ≥ 20 000 cycles | Switching combinations (see page 2) | 1 x 2 to 1 x 12; 2 x 2 to 2 x 6; 3 x 2 to 3 x 4; 4 x 2 to 4 x 3; 6 x 2 |
| Capacity between two contacts | ≤3 p F | | |

