

## Data sheet

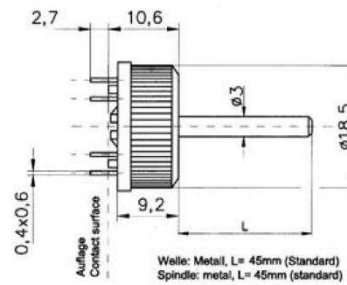
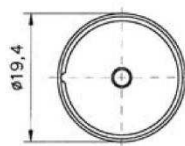
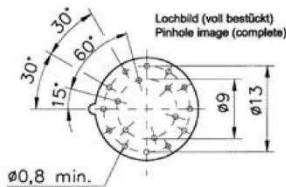
### Rotary knob switches

### Serie 420



#### Type 420

Basic design: width 19.4 mm, brass spindle diameter 3 mm



#### Technical Data

Switch resistance initial value	≤ 25 m Ω	Capacity between two contacts	≤ 3 p F
Switch resistance after 15 000 cycles	≤ 50 m Ω	Switching mode	non shorting (white bottom plate) shorting (black bottom plate)
Insulation resistance	1 x 10 <sup>9</sup> Ω	Number of wafers	1 / single wafer
Test voltage	1kV DC	Indexing angle	30°
Switching voltage	max. 150 V DC / AC	Stops	fixed or without stop
Switching current	max. 130 mA, Ag plated	Operating torque	2 – 4.5 Ncm
Switching power	max. 5 VA, Ag plated	Solder terminals	for printed circuit
Steady current at 20°C ambient temperature	3 A	Contact material	silver plated copper alloy
Operating life at maximum power	≥ 15 000 cycles	Insulation material	plastic
Operating life no load	≥ 20 000 cycles	Spindle	brass, L = 45 mm (Std.)
Capacity between two contacts	≤ 3 p F	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

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