



Marquardt Mechatronik GmbH  
Schloss-Str. 16  
78604 Riethelm-Weilheim  
Germany

Phone: +49 (0) 7424 / 99-0  
Fax: +49 (0) 7424 / 99-2399  
Net: www.marquardt.de  
E-mail: marquardt@marquardt.de

### Technical data

### Product image / Drawings

<b>Product number</b>	<b>1005.1001</b>	
Product family	Snap-action switches	
Actuation type	indirect	
Weight	7.430 g	
ROHS conform	yes	
Switching function	Changeover switch (SPDT momentary)	
Material fixed contact	Ag	
Number of poles	1 - pole	
connections	Quick-connect terminal, 6.3 x 0.8	
Mechanical life endurance	10E6	
Rating IEC	10 (4) A 400 V AC 1E4 6 (2.5) A 400 V AC 5E4	
Rating North America	10 A 125 - 250 V AC 1/4 HP	
Design	DIN 41635 A	
Contact resistance (new condition)	< 100 (1 A 12 V DC) mOhm	
Insulation resistance (new condition)	> 100 (500 V DC) MOhm	
Voltage strength at 250 V	function insulation / basic insulation	1 500 V
	reinforced insulation	3 000 V
	small contact distance	500 V
Proof tracking	250 PTI	
Insulation spacing	acc. to EN 61058 for reinforced or double insulation	
Ambient temperature	-40 °C ... +100 °C	
Storage temperature	-40 °C ... +80 °C	
Flammability	UL 94 (housing: V-0, actuator: V-2)	
Glow wire test temperature	850 °C	
Actuators and additional actuators	PA, natural, standard actuator	
Housing description	cover: Duroplast type 182, red base plate: Duroplast type 182, red	
Connection surface	bearing connection	silver plated
	external connection	silver plated
Contact material	Ag	
Contact distance	< 3 mm	
Rating Code UL	R 44	
Contact type	friction jump contact	
Operating force	1.5 - 2.5 N	
Bounce time	< 10 ms	
Difference travel max.	0.3 mm	
Pretravel max.	1.8 mm	
Overtravel	0.8 mm	
Free position (FP) max.	16 mm	
Operating position (OP)	14.7 ±0.5 mm	
Permissible total travel position	13.4 mm	



Approval marks	CSA / UL / ENEC 05
Additional labeling	terminal 1: NC terminal 2: NO P-terminal: C
Degree of pollution	3
Rated impulse withstand voltage	2500 V
Stock version	●