

SNAP-ACTION SWITCHES

PRODUCT NUMBER 1050.5251



TECHNICAL DATA

Product number	1050.5251	
Business unit	Switches, Sensors & Controls	
Product Manager	-	
Product family	Snap-action switches	
Actuation type	indirect	
Packing unit	400	
Weight	1.921 g	
ROHS conform	yes	
Output	catalog before 2009 / catalog	
Switching function	Changeover switch (SPDT momentary)	
Material fixed contact	gold-plated	
Number of poles	1 - pole	
connections	Solder terminal, sealed	
Mechanical life endurance	1E6	
Rating IEC	2 (0.5) A 250 V AC 25E3	
Rating North America	2 A 125 - 250 V AC	
Design	DIN 41635 B	
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	<ul style="list-style-type: none"> → function insulation / basic insulation → reinforced insulation → small contact distance 	1 500 V 3 000 V 500 V
Proof tracking	175 PTI	
Insulation spacing	acc. to EN 61058 for reinforced or double insulation	
Protection type	<ul style="list-style-type: none"> → Connection → Actuator 	IP 00 IP 40

Ambient temperature	→ connection side	-40 °C ... +100 °C
Storage temperature	-40 °C ... +100 °C	
Flammability	UL 94 V-2	
Glow wire test temperature	850 °C	
Actuators and additional actuators	PA, ivory colored additional actuator: stainless steel spring steel, L02, lever 5.7 long 3.4 wide	
Housing description	housing: PBTP, blue	
Connection surface	→ bearing connection → external connection	silver plated tinned
Contact material	gold plated	
Contact distance	< 3 mm	
Basic components	1050.0181 / 191.071.021	
Rating Code UL	R 18	
Contact type	jump contact	
Operating force	≤ 0.5 N	
Bounce time	< 5 ms	
Difference travel max.	1.0 mm	
Pretravel max.	5.4 mm	
Overtravel	2.2 mm	
Free position (FP) max.	15 mm	
Operating position (OP)	11.1 ±1.5 mm	
Permissible total travel position	7.4 mm	
Approval marks	ENEC 10 / CSA / UL	
Additional labeling	year/week of manuf. acc. to DIN EN 60062	
Degree of pollution	2	

Technical changes reserved. Dimensions are not binding.
Detailed specifications available on request.

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