

SNAP-ACTION SWITCHES

PRODUCT NUMBER 1050.0151



TECHNICAL DATA

Product number	1050.0151
Product family	Snap-action switches
Actuation type	indirect
Weight	2.000 g
ROHS conform	yes
Switching function	Changeover switch (SPDT momentary)
Material fixed contact	gold-plated
Number of poles	1 - pole
connections	Solder terminal, sealed
Mechanical life endurance	10E6
Rating IEC	2 (0.5) A 250 V AC 25E3
Rating North America	2 A 125 - 250 V AC
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	175 PTI
Insulation spacing	acc. to EN 61058 for reinforced or double insulation

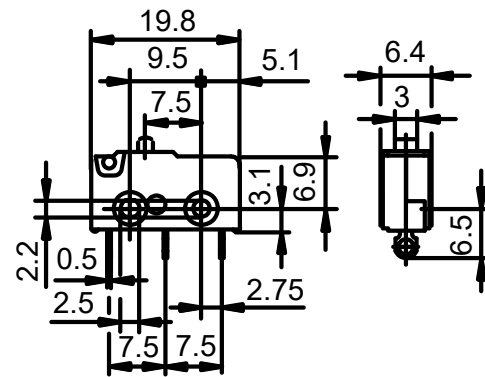
Protection type	→ Connection → Actuator	IP 00 IP 40
Ambient temperature	-40 °C ... +100 °C	
Storage temperature	-40 °C ... +100 °C	
Flammability	UL 94 V-2	
Glow wire test temperature	850 °C	
Actuators and additional actuators	standard actuator PA, ivory colored	
Housing description	housing: PBTP, blue	
Connection surface	→ bearing connection → external connection	silver plated tinned
Contact material	gold plated	
Contact distance	< 3 mm	
Rating Code UL	R 18	
Contact type	jump contact	
Operating force	≤ 1 - 1.9 N	
Bounce time	< 5 ms	
Difference travel max.	0.2 mm	
Pretravel max.	1.2 mm	
Overtravel	0.6 mm	
Free position (FP) max.	9.15 ±0.15 mm	
Operating position (OP)	8.4 ±0.3 mm	
Permissible total travel position	7.5 mm	
Approval marks	ENEC 10 / CSA / UL	
Suitable for appliances of protection class	II	
Degree of pollution	2	

Stock version

PRODUCT IMAGE



DRAWINGS



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

Marquardt GmbH · Schloss-Straße 16 · 78604 Rietheim-Weilheim · Germany
Phone: +49 (0) 7424 / 99-0 · Fax: +49 (0) 7424 / 99-2399 · www.marquardt.com · marquardt@marquardt.de