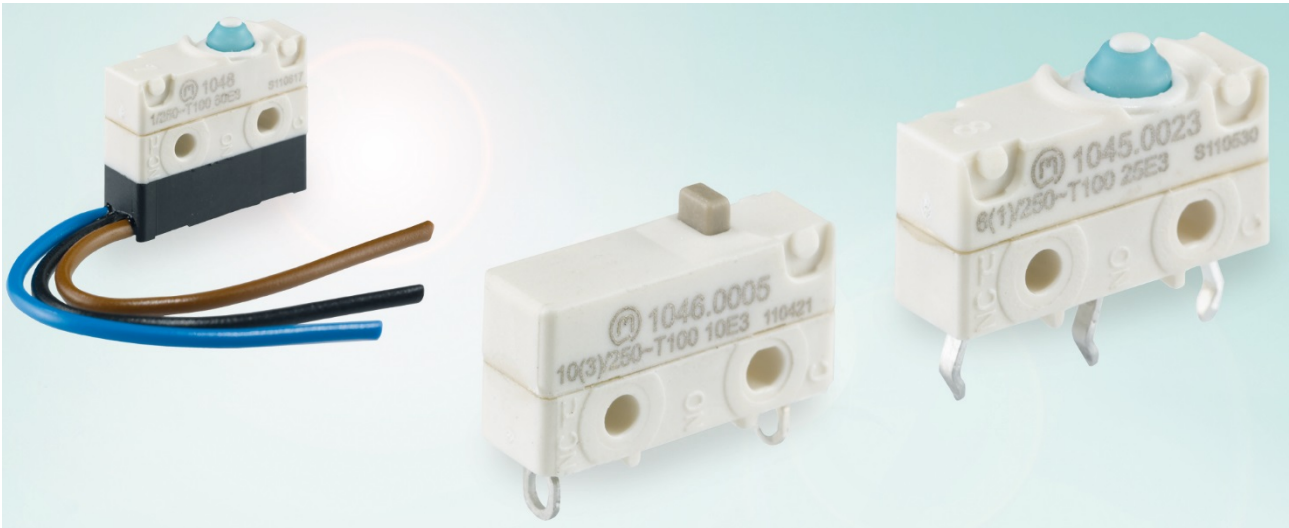




SERIES 1045 – SNAP-ACTION SWITCH

DUST AND WATER PROTECTION IP 67



ADVANTAGE

- Wide rating range**
- Compact, sealed switch unit**
- High endurance**
- High level of safety**
- High level of tolerance in use**
- Slider actuation without lever**
- Approved for household appliances**

PRODUCT FEATURES

- From low DC signal currents to ratings of 10 (3) A or 6 (6) A 250 V AC
- Cable assembly with dust and water protection (IP 67)
- More than 10 million switching cycles, tightness up to 1.5E6 cycles
- Versions with integrated mechanism for breaking contact weldings
- Long overtravel
- Start-up angle up to 35°
- IEC 60335 Chapter 30 approved

EXAMPLES OF APPLICATION

- Drives for beds, tables and roller shutters
- Servo drives
- Power tools
- Recreational equipment
- Vacuum cleaners
- Small household appliances
- Vending machines
- Medical devices
- HVAC technology
- Automotive applications

Rating in compliance with IEC/UL 61058-1	
→ Europe	10 (3) A 250 V AC 10E3 or 6 (6) A 250 V AC 30E3 ENEC
→ America	10 (3) A 250 V AC 10E3 or 6 (6) A 250 V AC 30E3 UL
Switching function	Normally closed, normally open, changeover
Protection type	IP 40 and IP 67
Mechanical life	10E6, tightness up to 1.5E6 cycles
Ambient temperature	-40 °C ... +100 °C
Creep resistance (Proof Tracking Index)	250 PTI
Terminal type	Quick-connect terminal 2.8 x 0.5, solder terminal, PCB terminal (straight), PCB terminal (lateral)
Terminal surface	Tin-plated, quick-connect terminal 2.8 x 0.5 uncoated
Material	
→ Housing, actuator	PA
→ Terminals	Brass
→ Additional actuator	Stainless spring steel / PA
Actuating force	0.7 N ... 3.2 N (depending on product)
Difference travel	max. 0.2 mm
Overtravel	min. 0.5 mm
Contact resistance	< 50 mOhm
Flammability	UL 94 V-0



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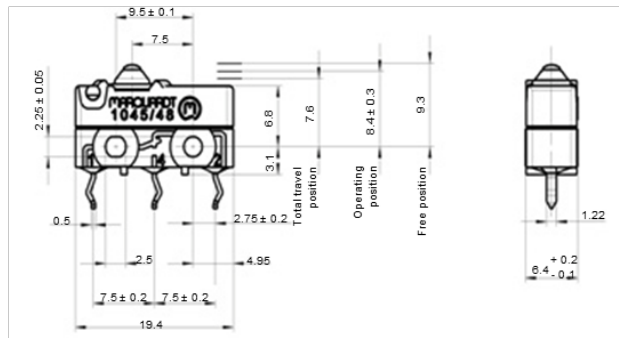
VARIANTS

Basic type	Protection type	Actuating force	Terminal type	Ratings UL and ENEC	Switching functions	optional
1045	IP 67 actuator side	1.1 ...3.2 N	Solder terminal PCB terminal, straight PCB terminal, lateral Quick-connect terminal 2.8 x 0.5	A 250 V AC 100E3 (Au)	Normally closed contact	Mechanism to separate contact welding
1046	IP 40	0.7 ...2.8 N		2 (1) A 250 V AC 100E3 3 A 250 V AC 100E3 3 (3) A 250 V AC 50E3	Normally open contact	
1048	IP 67	1.1 ...3.2 N	Wires UL Style 1569 0.5 / 0.75 mm ² , outlet on the left, on the right or at the bottom	6 (3) A 250 V AC 50E3 6 (6) A 250 V AC 30E3 10 (3) A 250 V AC 10E3 12 A 250 V AC 10E3 (NO)	Change-over contact	Gold-plated contacts (Au) Reduced difference travel

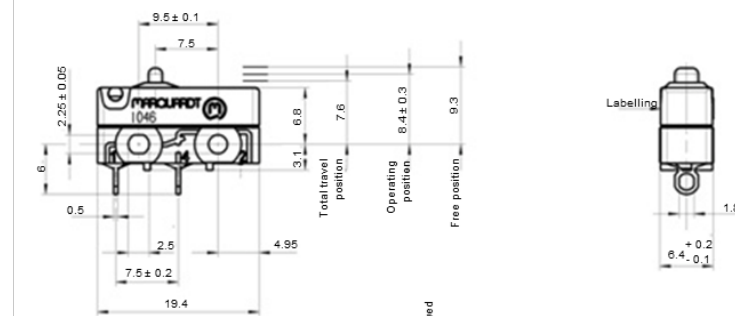
DRAWINGS

(Dimensions in mm)

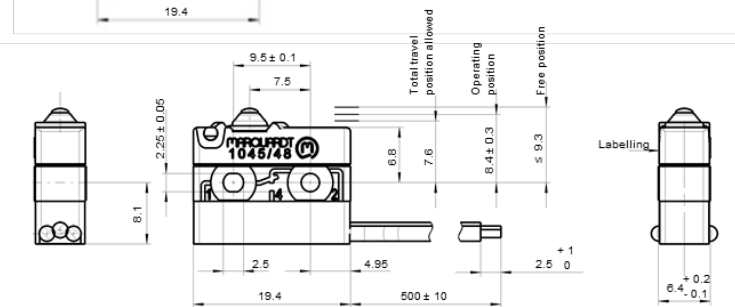
Basic type 1045



Basic type 1046



Basic type 1048



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