



# SERIES 1055 – ENCLOSED SNAP-ACTION SWITCH

DUST AND WATER PROTECTION IP 67



## ADVANTAGE

- Suitable for harsh environment**
- Numerous versions**
- High level of tolerance in use**
- High rating**
- Slider actuation without additional lever**
- High level of safety and reliability**

## PRODUCT FEATURES

- Compact design with dust and water proof switching system according to IP 67
  - Modular principle offers a wide selection of terminals, auxiliary actuators and fastening types and cable assembly
  - Large overtravel  $\geq 1.2$  mm despite small size
  - For ratings up to 48 W (resistive load) resp. 30 W lamp load (NC)
  - Optimized actuator design enables an actuating angle up to  $40^\circ$
- Switching reliability by tension spring contact system

## EXAMPLES OF APPLICATION

- Automotive applications
  - Locking systems (side door-, trunk- and hood latches, rotary latches, pawls, chinching, key cylinder controls)
  - Seat applications
  - Convertible top applications etc.
- HVAC technology
- Industrial applications
- Off-road vehicles
- Leisure equipment

Mechanical life endurance	500 E3
Electrical life endurance	24 V DC, 10 mA: $\geq 500$ E3 24 V DC, 2 A: $\geq 100$ E3
Contact resistance (new condition)	50 mOhm
Contact resistance (after lifetime)	1 Ohm
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Switching voltage	5 – 24 V DC
Switching current	1 mA – 4 A
Rating (resistive load)	max. 48 W (NC)
Rating (lamp load)	NC 30 W LD: 50 E3 NO 10 W LD: 50 E3
Actuating angle (see specification)	$\leq 40^\circ$
Protection type	
→ Actuator basic type 1055 and 1058	IP 67
→ Terminal basic type 1058	IP 67
→ Actuator basic type 1056	IP 40
→ Terminal basic type 1055 and 1056	IP 00
Ambient temperature	-40°C ... +85 °C

Technical details are exemplarily and are depending on the conditions, connection and the geometry in the application.



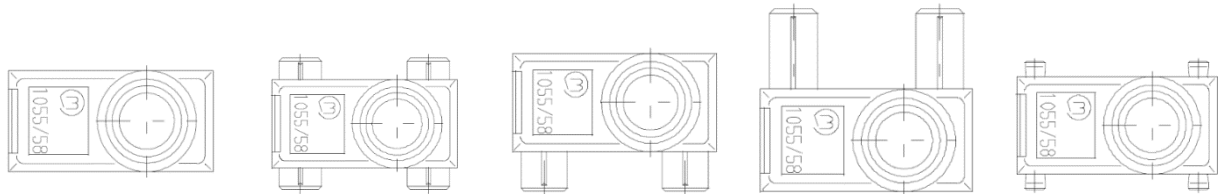
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## VARIANTS

→ The modular principle offers a wide range of terminals, actuators and fastening types.

### Housing variants

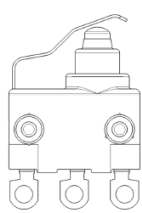


→ Pins right / left / on both sides, 0.8 mm / 1.5 mm / 2.5 mm / 5 mm, stacking geometry

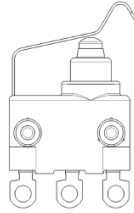
### Terminal types

- Different terminal types, e.g. solder terminals, PCB terminals, angled PCB terminals
- The switch is optionally available with pre-confectioned cables.  
Switch with connector available on request (also versions with IP 67)

### Auxiliary actuators (Examples)

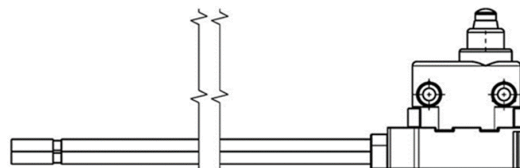


differential lever

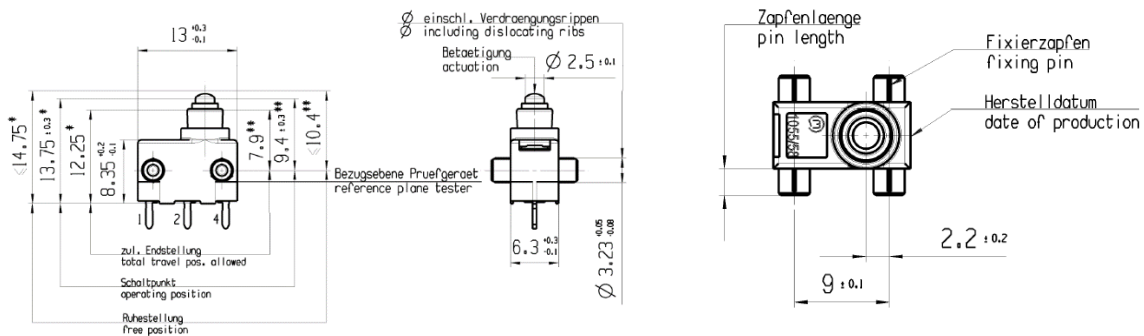


simulated roller

### Switch with pre-confectioned cables



## DRAWINGS



# MARQUARDT