SERIES 1055 - SUBSUBMINIATURE SNAP-ACTION SWITCHES IP 67

TO 4 A 12 V OR 2 A 24 V DC

PRODUCT FEATURES

- Compact design with dust and water protected switching system acc. to IP 67 (basic types 1055 / 1058)
- Large overtravel of ≥ 1.2 mm for small size
- The specially designed pushbutton guide enables a start-up angle of 40°
- The modular principle offers a wide selection of connections, auxiliary actuators and fastening types

ON REQUEST

- Rating 0.5 (0.5) A 250 V AC 25E3 and ENEC approval mark
- For higher ambient temperatures
- Customized cable assembly
- Basic type 1058 as double switch or with cable outlet in other directions

Mechanical life endurance		1E6 at 10 mA 12 V
Contact resistance (new condition)		< 50 mOhm (1 A 12 V DC)
Insulation resistance (new condition)		> 100 MOhm (500 V DC)
Protection type		IP 00 connection side basic types 1055 and 1056 IP 40 actuator side basic type 1056 IP 67 actuator side basic type 1055, connection and actuator side basic type 1058
Ambient temperature		-40 °C ... +85 °C
Flammability		UL 94 HB
Material	actuator additional actuator housing connections	POM stainless steel spring steel PBTP tinned basic type 1058: wires FLRY 0.5 mm², tinned wire ends
Contact material		Ag gold-plated
Approval marks		on request
Shock resistance		50 g
Miscellaneous		connection side cast electrical life endurance at 12 V 2 A: 200E3 (ohmic load)

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	4 A 12 V DC (ohmic load)	2 A 24 V DC (ohmic load)	0.5 (0.5) A 250 V AC 25E3	Connection type	Connection description	Operating force in N	Operating position (OP) in mm	Difference travel max. in mm	Free position (FP) max. in mm	Permissible total travel position (TP) in mm	Actuator description	Lever drawing	Miscellaneous	Stock version
Normally closed contact (SPNC)														
1058.0395	●	●			400 long crimped	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 1.5 long	
Normally open contact (SPNO)														
1058.0373	●	●			150 long	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 1.5 long	
1058.0593	●	●			300 long	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin both sides 5 long	
1058.5172	●	●			254 long	≤ 2.6	12.4 ±0.65	0.8	14.7	10.3		L21	pin left 5 long	
Changeover switch (SPDT momentary)														
1055.0351	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 1.5 long	●
1055.0551	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 5 long	
1055.0552	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin left 5 long	
1055.2061	●	●			coded cranked	≤ 1.8	13.75 ±0.3	0.4	14.75	12.25			without pin	
1055.2351	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 1.5 long	●
1055.3653	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 2.5 long	
1055.3654	●	●				≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin left 2.5 long	
1055.5155	●	●				≤ 2.6	12.4 ±0.65	0.8	14.7	10.3		L21	pin both sides 2.5 long	
1055.5253	●	●				≤4.2	9.7 ±0.45	0.5	11.6	8.25		L31	pin both sides 2.5 long	
1055.5350	●	●				≤4.2	14.05 ±0.45	0.5	15.85	12.65		L02	without pin	
1055.7255	●	●				≤4.2	14.05 ±0.45	0.5	15.95	12.6		L31	without pin	
1055.8155	●	●				≤ 2.6	12.4 ±0.65	0.8	14.7	10.3		L21	pin right 2.5 long	
1056.0351	●	●				≤1.3	6.15 ±0.3	0.4	7.15	4.65			pin right 1.5 long	●
1056.2351	●	●				≤1.3	6.15 ±0.3	0.4	7.15	4.65			pin right 1.5 long	●
1056.3060	●	●			coded cranked	≤1.3	10.5 ±0.3	0.4	11.5	9			without pin	
1056.3065	●	●	●		coded cranked	≤1.3	10.5 ±0.3	0.4	11.5	9			without pin	
1056.3351	●	●				≤1.3	6.15 ±0.3	0.4	7.15	4.65			pin right 1.5 long	
1056.3352	●	●				≤1.3	6.15 ±0.3	0.4	7.15	4.65			pin left 1.5 long	●
1058.0351	●	●			300 long	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin right 1.5 long	●
1058.0553	●	●			300 long	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin both sides 5 long	
1058.0653	●	●			300 long	≤ 1.8	9.4 ±0.3	0.4	10.4	7.9			pin both sides 2.5 long	●
1058.5253	●	●			300 long	≤4.2	9.7 ±0.45	0.5	11.6	8.25		L31	pin both sides 2.5 long	

SERIES 1055 - SUBSUBMINIATURE SNAP-ACTION SWITCHES IP 67

TO 4 A 12 V OR 2 A 24 V DC

Basic type 1055

Solder terminal

PCB terminal

PCB terminal coded cranked

PCB terminal left angled

PCB terminal right angled

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SERIES 1055 - SUBSUBMINIATURE SNAP-ACTION SWITCHES IP 67

TO 4 A 12 V OR 2 A 24 V DC

Basic type 1056

Solder terminal

PCB terminal

PCB terminal coded cranked

PCB terminal left angled

PCB terminal right angled

Basic type 1058

Cable 300 long

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Approach angle up to 40°

The robust pushbutton guide allows actuations by slides or camshafts with an approach angle of < 40° (depending on the friction partner).
The mechanical life endurance depends on the material and surface properties of the slide and the installation situation in the appliance. Under optimum conditions and longitudinal actuation, 200E3 cycles can be achieved.
The above sketch can be transposed to the basic types 1056 and 1058.

Auxiliary actuators

The auxiliary actuators are available as additional parts for the basic types 1055 and 1058 for retrofitting or are already pre-assembled depending on the product.
When assembling yourself, make sure that the lever is pushed into the housing slot right up to the stop.

L02: straight lever
191.081.041

L21: simulated roller
191.081.031

L31: differential lever
191.081.011

Fastening disc

140.092.021
Fastening disc for the basic types 1055, 1056 und 1058

The fastening disc offers a quick, reliable fastening possibility in combination with switches with 5 mm long pins to plates or plastic parts with a wall thickness up to 2.5 mm.