

Switch Rocker – SR3



DTCs Switch Rockers have been developed to provide the reliability required in demanding environmental conditions such as multifunction grips, dashboards or armrest controls for heavy duty industrial applications.

The switching system is distinguished by its high reliability with a life expectation of at least one million operations.

The rocker modules have been designed for the typical switching function in 'off-road' machinery and other rough environments.

Electrical Data		
Switching current max.	Switch 1	S1: 7 mA (1K3 Ohm)
	Switch 2	S2: 9 mA (680 Ohm)
Mechanical Data		
Life		1 million cycles
Operating temperature		
- Storage		- 40°C to 85°C
- Working		- 35°C to 70°C
Operating force		5 N
Vertical load maximum		30 N
Protection Level		IP 65 (from above when mounted)
Rocker deflection angle		± 12°

Main Features

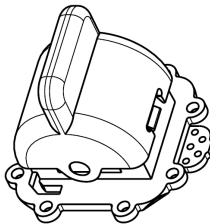
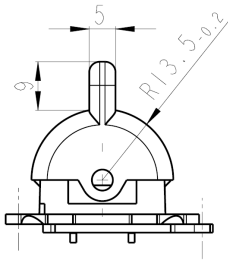
- Life greater than 1 million cycles
- Precise tactile feedback of switches
- Protection Class IP65
- DTCs K12 switch technology for high reliability

Custom modifications

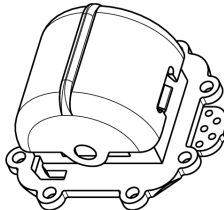
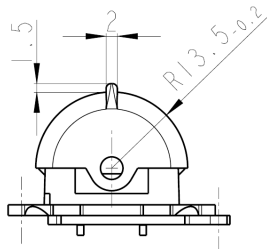
- Output characteristics
- Operating force
- Switch characteristics / functions
- Actuator colour

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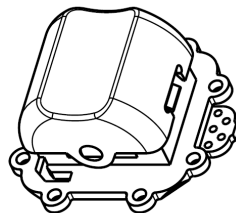
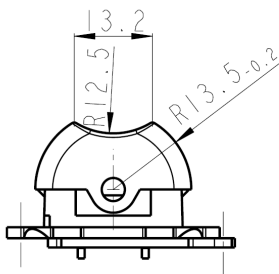
Ordering code		1	2	3	4	5	6	7	
	Example	SR3S	01	GY	5N/5N	01	R	00	M
1 Type	SR3 = switch rocker 3 S = varnished PCB N = non varnished PCB								
2 Actuator Shape	01 = long lever 02 = short lever 05 = thumb lever								
3 Actuator Colour	GY = grey								
4 Operation Force	5N/5N = 5 N left / 5N right								
5 Switch assembly	01 = switch 1 (S1) K12P BK 1 5N switch 2 (S2) K12P BK 1 5N								
6 Output	R = resistor (Ohm)								
Output configuration	00 = 0 Ohm 01 = S1: 1K3 Ohm S2: 680 Ohm								
7 Mechanical function	M = left / right momentary (center turn position)								



Module actuator shape 01

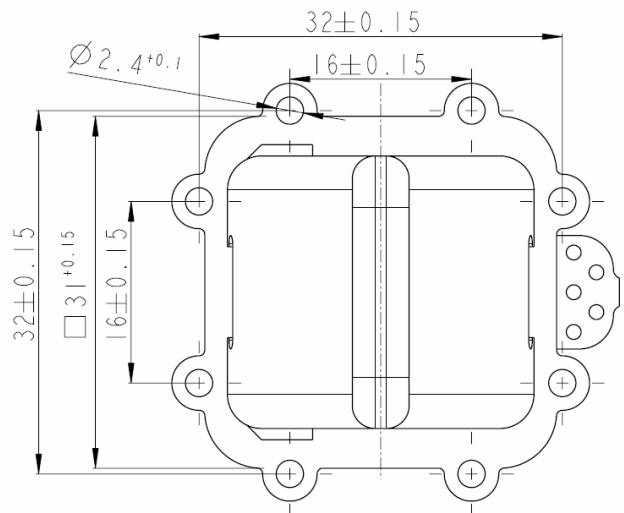
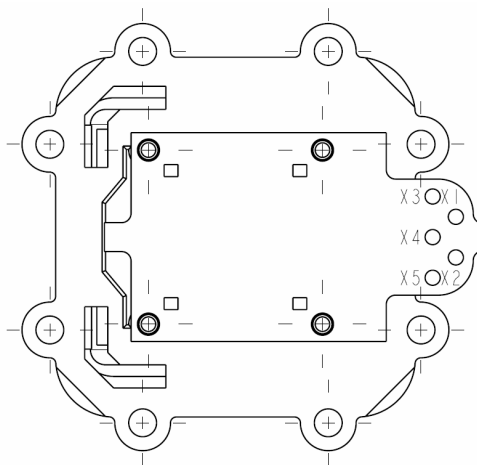
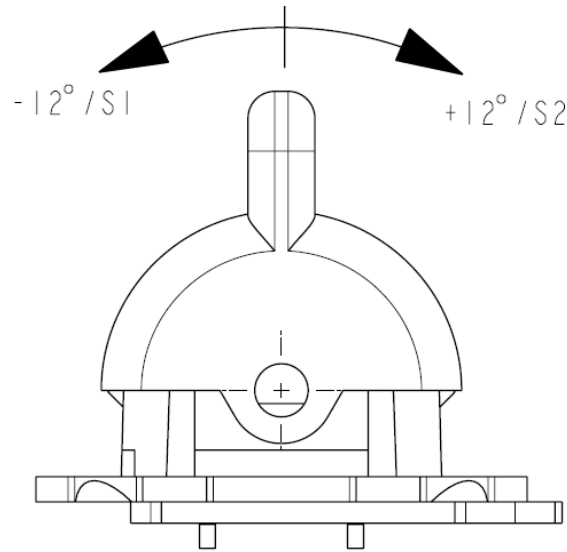


Module actuator shape 02



Module actuator shape 05

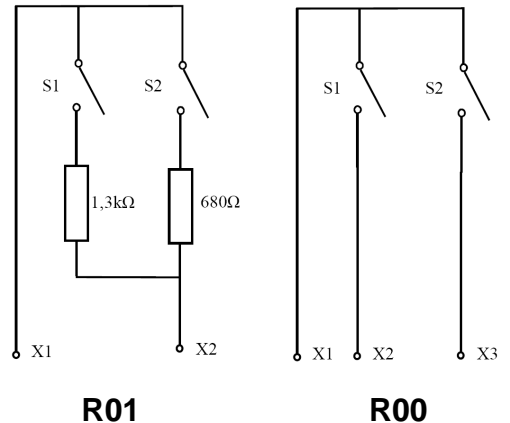
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Pin assignment:

PIN	ALLOCATION	FUNCTION
X5	S3_I S3_ext	RESERVED
X4	S3_VCC S3_ext	RESERVED
X3	S2_OUT	OUTPUT PUSHBUTTON S2
X2	S1_OUT	OUTPUT PUSHBUTTON S1
X1	VCC_IN	VOLTAGE SUPPLY

Output configuration:



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