

## Analog Rocker – AR3

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

The unique sensing design makes the rocker module an ideal proportional function solution for 'off-road' machinery.

Analog Rockers have been designed to be integrated into standard and custom designed grips, panels and electronic controls.

## **Main Features**

- Contactless sensing Hall effect
- Life greater than 2 million cycles
- One sensor optional second sensor for redundancy
- Integrated temperature compensation
- Short circuit protection

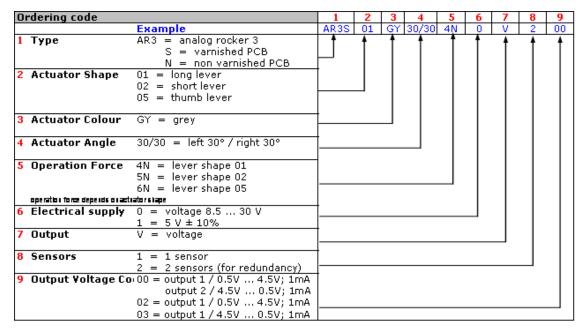






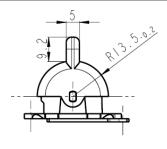
Electrical Data		
Supply Ratings	Voltage range DC current	8.5V 30V or 5.0 V ± 10% 50 mA at 24V
Voltage Output	Output 1 Output 2*	0.5V 4.5V 4.5V 0.5V
Total error		< 10%
Output current		max. 1 mA
Other electrical Characteristics	ЕМІ	> 100 V/m
Mechanical Data		
Life		> 2 million cycles
Operating temperat - Storage	ure	- 40°C to 85°C
- Working		- 35°C to 70°C
Operating force		4-6 N
Vertical load maximum		30 N
Protection Level		IP 65 (from above when mounted)
Rocker deflection a	ngle	± 30°

<sup>\*</sup> for redundant version



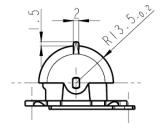


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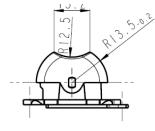


Module actuator shape 01



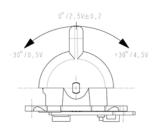


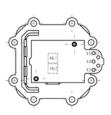
Module actuator shape 02

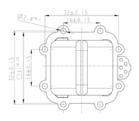




Module actuator shape 05







## Pin assignment:

PIN	ALLOCATION	FUNCTION (8,5-30V)	FUNCTION (5V)
X5	OUT 1	OUTPUT 1 (HAL1)	OUTPUT 1 (HAL1)
X4	OUT 2	OUTPUT 2 (HAL2) *	OUTPUT 2 (HAL2) *
ХЗ	٧	RESERVED	5V±10%
X2	GND IN 1	REFERENCE GROUND	REFERENCE GROUND
X1	U BAT	VOLTAGE SUPPLY 8,5-30V	NOT CONNECTED

\* FOR REDUNDANT VERSION ONLY