

JOYSTICK

- Precision Potentiometers
- Compact size
- High lifetime and reliability
- In compliance with CE e ROHS

R / J / HB Series



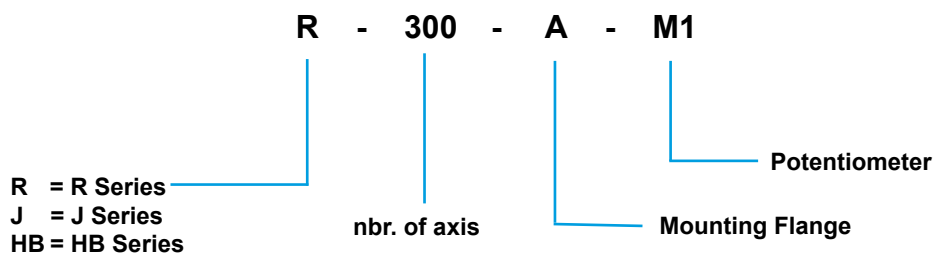
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Joystick Modello	Axis nbr.	Travel		Sensor	Force (N)					
		X and Y axis	Z axes		Starting			Operational		
					X	Y	Z	X	Y	Z
R200	2	± 25°	-	Potentiometer	2	2	2	4	4	3.5
R300	3	± 25°	± 45°	"	2	2	2	4	4	3.5
R400	3+button	± 25°	± 45°	"	2	2	2	4	4	3.5
J300	3	± 25°	± 45°	"	2	2	2	4	4	3.5
HB200	2	± 20°	-	Hall Effect	2	2	2	4	4	3.5
HB300	3	± 20°	± 45°	"	2	2	2	4	4	3.5
HB400	3+button	± 20°	± 45°	"	2	2	2	4	4	3.5

Potentiometer Model	Resistance	Full Travel	Resistance Tolerance	Independent Linearity	Cycles Lifetime
M1 (R e J Series)	5 KΩ	220%	± 20°	± 1%	300.000*
M2	5 KΩ	50%	± 20°	± 1%	300.000*
M3	10 KΩ	220%	± 20°	± 1%	300.000*
M4	10 KΩ	50%	± 20°	± 1%	300.000*
J1	5 KΩ	220%	± 20°	± 1%	1.000.000

* opzione 500.000 cicli

ORDER CODE



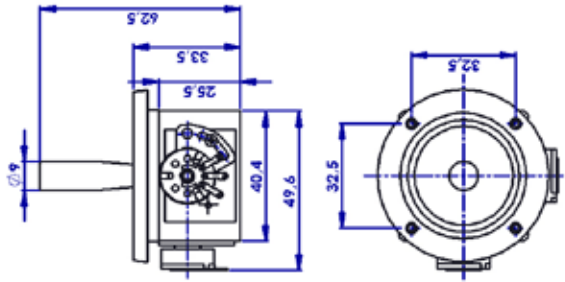
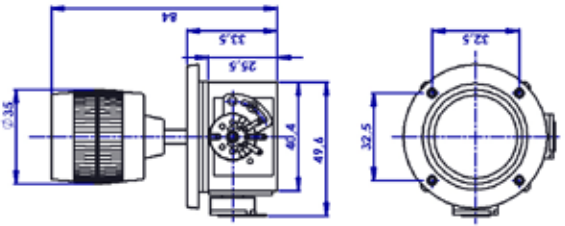
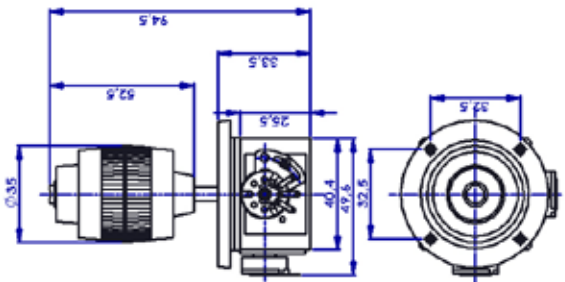
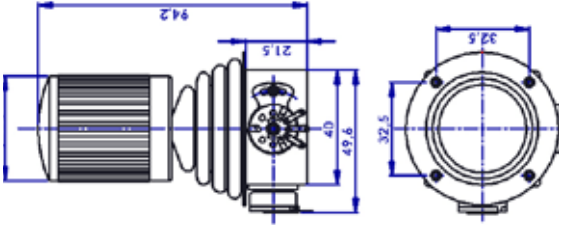
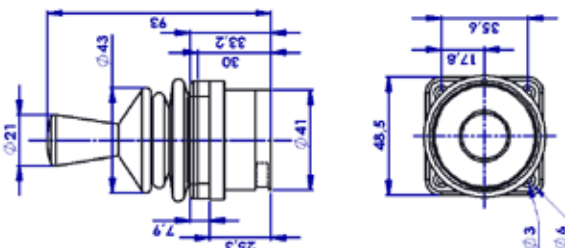
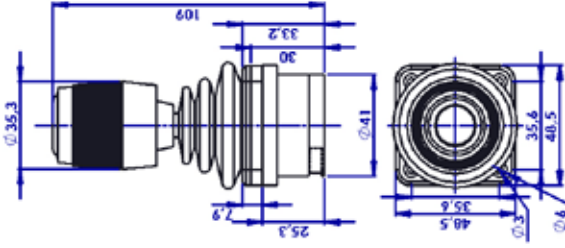
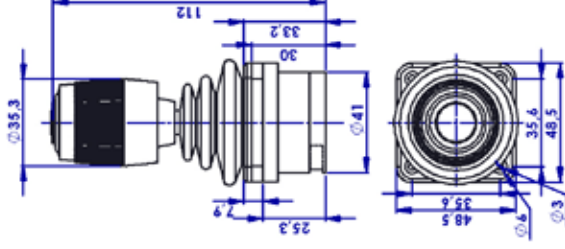


MOUNTING FLANGE



A



B

<p>Model R200A 2 axis / potentiometer</p>		<p>Model R300A 3 axis / potentiometer</p>		<p>Model R400A 3 axis+button / potentiometer</p>		<p>Model J300 3 axis / potentiometer</p>	
<p>Model HB200B 2 axis / Hall sensors</p>		<p>Model HB300B 3 axis / Hall sensors</p>		<p>Model HB400B 3 axis+button / Hall sensors</p>		<p>OTHER PRODUCTS AVAILABLE</p>	
						<p>SRC Series</p> 	
						<p>SRH 3899 Series</p> 	

R / J / HB Series

JoyStick are multi-axis controllers providing longlife, reliable, low profile design, finger positioning control.

Designed for low operating force and clean environment, two different versions available:

- Potentiometric = contact sensing (R & J Series)
- Hall Effect = no contact sensing (HB Series)

Typical Applications

- ▶ CCTV equipments
- ▶ Robotic controls
- ▶ Electric wheel chairs
- ▶ Electronic microscopes
- ▶ Factory automation
- ▶ Medical systems
- ▶ Measuring devices
- ▶ Cranes & gantries controls
- ▶ Remote controls
- ▶ Automated conveyor systems
- ▶ Optical devices
- ▶ Targeting systems
- ▶ Unmanned vehicle controls

Features

R & J Series: potentiometric-contact sensing Joystick

- ▶ Cables: AWG28 silver plated, PTFE insulation
200 mm standard length (other lengths on demand)
- ▶ Restoration error: $\pm 0,06 \text{ K}\Omega$
- ▶ Insulation resistance: 50 M Ω at 500 VDC, 60 sec.
- ▶ Operating temperature: -10°C to $+80^{\circ}\text{C}$

HB Series: Hall Effect - no contact & sensing Joystick

- ▶ Cables: AWG28 silver plated, PTFE insulation
200 mm standard length (other lengths on demand)
- ▶ Supply voltage: 5 VDC
- ▶ Supply current: 10 mA/axis
- ▶ Output current: 2 mA/axis
- ▶ Output tolerance: $\pm 2\%$
- ▶ Restoration error: $\pm 25 \text{ mV}$
- ▶ Operating temperature: -20°C to $+85^{\circ}\text{C}$
- ▶ Lifetime: 1 million cycles min.