

ROTARY DUAL POTENTIOMETER

“6 or 6.34 mm Shaft, 50.8 mm Body Diameter”

RDP



GENERAL FEATURES

- R1: 70° / R2: 70° electrical angle
- 325° mechanical angle
- 6 or 6.34 mm shaft diameter (optional others)
- 50.8 mm body diameter
- Potentiometric output
- ±%1 linearity
- Long life up to 10 million movements
- IP54 protection

APPLICATION FIELDS

- Textile machinery
- Automatic door control systems
- Automotive
- All kinds of control and measurement applications

TECHNICAL FEATURES

Electrical Data

Electrical Angle	R1: 70° / R2: 70°
Independent Linearity	±%1
Repeatability	0.1° max.
Output Type	Resistive
Supply Voltage	42V max.
Resistance Values (R1/R2)	5K (R1=2.5K, R2=2.5K) or 10K (R1=5K, R2=5K)
Resistance Tolerance	±%20
Resistance Element	Conductive Plastic
Resolution	Infinite
Recommended Wiper Current	100 µA max.
Minimum Life (electrical)	10 million movements
Electrical Connection	3x0,102 mm ² soft PVC cable (standard 1m, optional others)

Mechanical Data

Dimensions	See mechanical dimensions table
Size	Servo size 20
Mechanical Angle	325°, mechanical limited
Torque	0.5 Ncm max.
Max. operating speed	1000 RPM
Operating Temperature	-25°C ... +75°C
Storage Temperature	-25°C ... +105°C
Body Material	Aluminum
Shaft Material	Stainless steel
Protection	IP54
Weight	~80 gr

