

ROTARY POTENTIOMETER

"22.2 mm Small Body Size, 6 or 6.35mm Shaft"

ERP F 22



GENERAL FEATURES

- 260° electrical angle
- 22.2 mm small body with flange connection
- 6 or 6.35mm shaft diameter
- High linearity up to $\pm 1\%$
- Long life up to 10 million movements
- IP50 protection class
- No mechanical rotation limitation

APPLICATIONS

- Valve controls
- Joysticks
- Master switches

TECHNICAL FEATURES

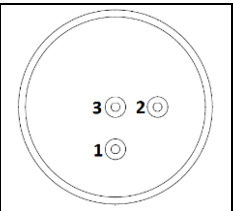
Electrical Data

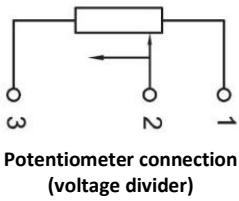
Electrical Angle	260°
Resistance Values	2K, 5K, 10K
Resistance Tolerance	$\pm 20\%$
Resistance Element	Conductive Plastic
Supply Voltage	42V max.
Independent Linearity	$\pm 1\%$
Repeatability	0.1° max.
Resolution	Infinite
Recommended Wiper Current	1 μ A max.
Power rating	0,5W @40° max.
Insulating Resistance	>1Gohm @ 500VDC
Electrical connection	3 gold-plated pins

Mechanical Data

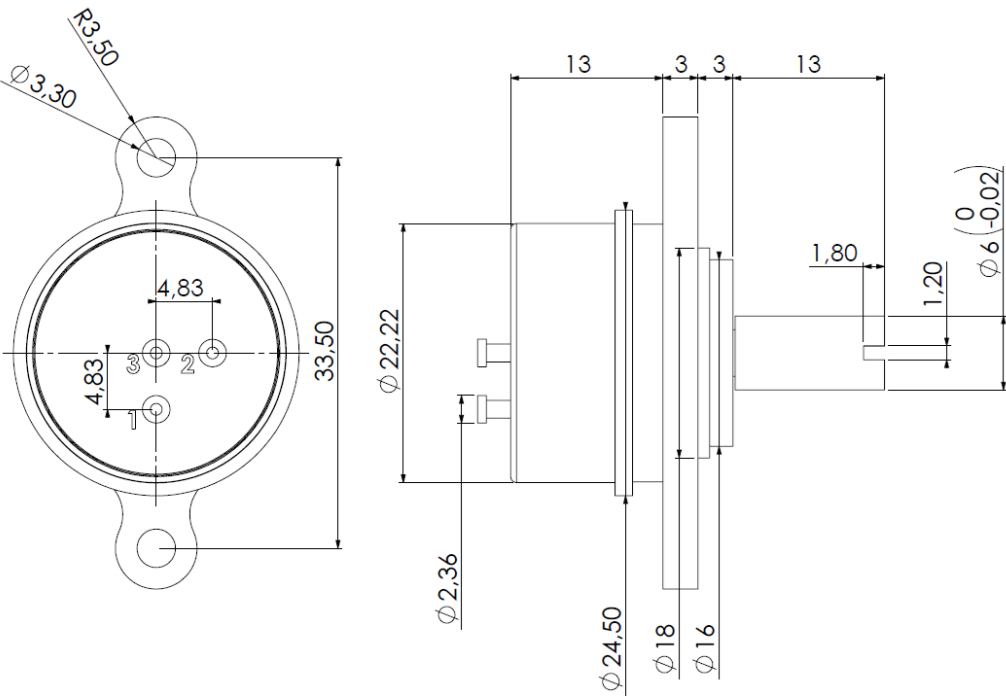
Mechanical Angle	360°, continuous
Life	10 million movements
Body Diameter	22.2 mm
Shaft Diameter	6mm or 6.35mm (optional others)
Torque	0.7 Ncm
Body Material	Aluminum
Shaft Material	Stainless Steel
Operating Temperature	-25°C ... +85°C
Storage Temperature	-40°C ... +105°C
Maximum radial and axial shaft load	1 N
Protection Class	IP50
Weight	~19gr

ELECTRICAL CONNECTIONS

	
SIGNAL	PIN
+V	1
Output Signal	2
-V	3



MECHANICAL DIMENSIONS (mm)



ORDER CODE

Model				Electrical Angle		Shaft Diameter	
260 : 260°				6: 6 mm 6.35 : 6.35mm *Optional others			
ERP	-	XX	-	XXX	-	XX	- XXX
Body Diameter				Resistance Value			
22 : 22.2 mm				2K: 2K 5K : 5K 10K : 10K			