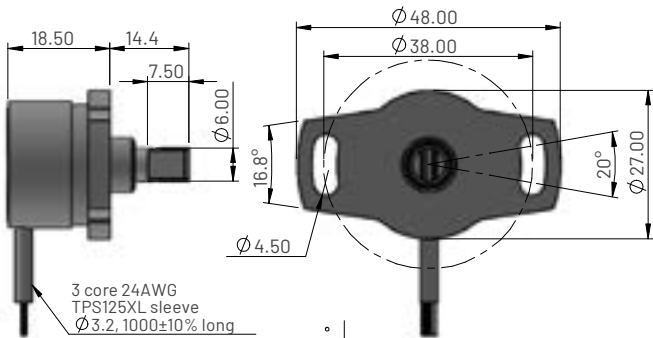


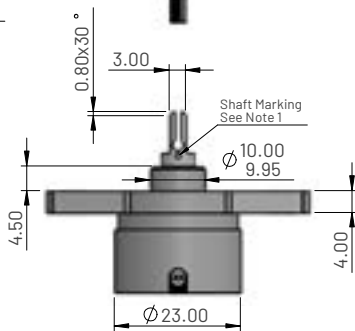
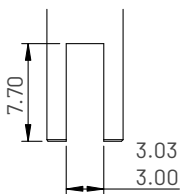
# RP5200 Series - Rotary potentiometer

High performance series

## Dimensions for RP5210 - Flange mounting - sprung shaft



### Drive shaft detail

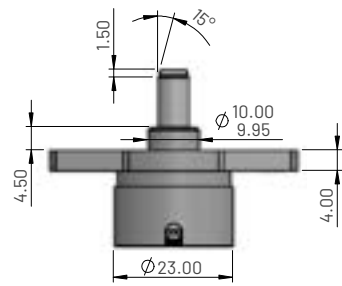
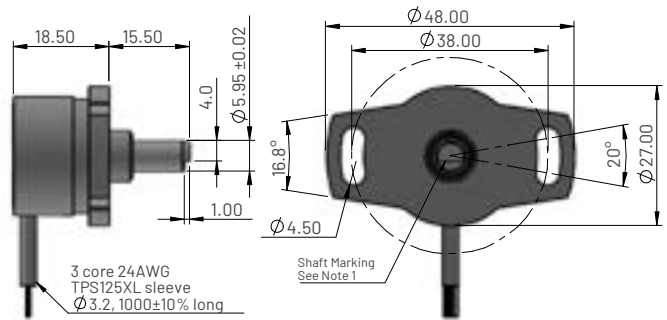


### Ordering information

RP5210-XXX

Electrical angle in degrees

## Dimensions for RP5220 - Flange mounting - round shaft

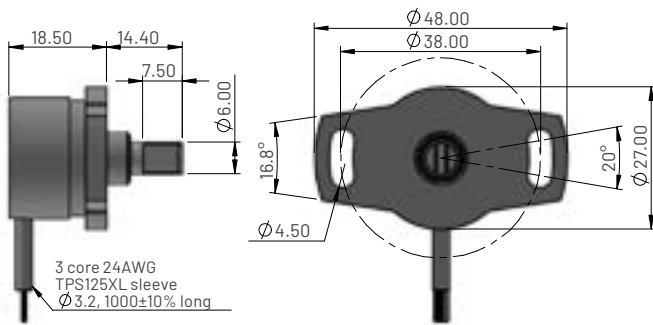


### Ordering information

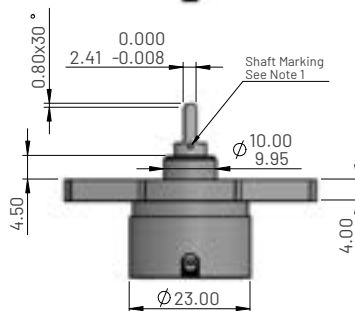
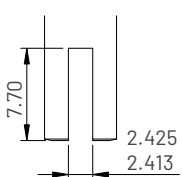
RP5220-XXX

Electrical angle in degrees

## Dimensions for RP5230 - Flange mounting - blade shaft



### Drive shaft detail



### Ordering information

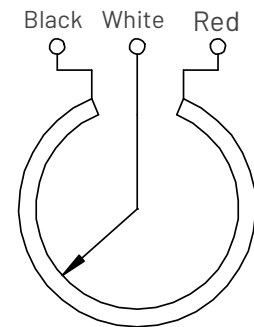
RP5230-XXX

Electrical angle in degrees

## Electrical and mechanical specification for RP5200

Parameters	Values				Units
Electrical angle ( $\pm 2^\circ$ )	060	100	130	350	$^\circ$
Resistance (Typical)	0.6	1.0	1.5	4.5	Kohms
Non-linearity	$<\pm 0.5$				%
Applied voltage	$<6$	$<10$	$<15$	$<45$	VDC
Maximum wiper current	1				mA
Mechanical travel	360 Continuous				$^\circ$
Output smoothness	MIL-R-39023 Grd.C 0.1				%
Insulation resistance (at 500V DC)	$>100$				Mohms
Operating temperature range	$-55$ to $+125$				$^\circ\text{C}$
Sealing	IP66				
Shaft starting torque (max.)	60				grams
Weight (approx.)	38				grams
Materials	Sensor	Case - Aluminium alloy, Shaft - Stainless steel			
	Bearing	Stainless steel Ball-Race bearings			

## Electrical connections (see note 2)



## Notes

1. When shaft marking is facing cable exit, instrument is mid-travel.
2. Incorrect wiring may cause internal damage.
3. General dimension tolerance is  $\pm 0.25$ .