

RESISTIVE ROTARY SENSORS SRR SERIES

Series of rotary potentiometers designed to withstand the harsh environments of motorsport. The SRR sensors use the well proven "Conductive Plastic" technology. They offer high performance and reliability at operational temperatures up to +175°C.

These small and lightweight sensors are available with a high range of options. Used for detection of angular positions of mechanical organs such as throttle, pedals, etc.



SPECIFICATIONS:

Electrical

◆	Tecnology:	Conductive Plastic
◆	Electrical angle:	45° - 125° - Dual 125° - 350°
◆	Nominal resistance:	5KΩ +/- 20%
◆	MAX Supply Voltage:	40V DC
◆	Output signal:	Potentiometer (voltage divider)
◆	Resolution:	Infinite
◆	Non Linearity:	≤0.5%
◆	Repeatability:	≤0.01%

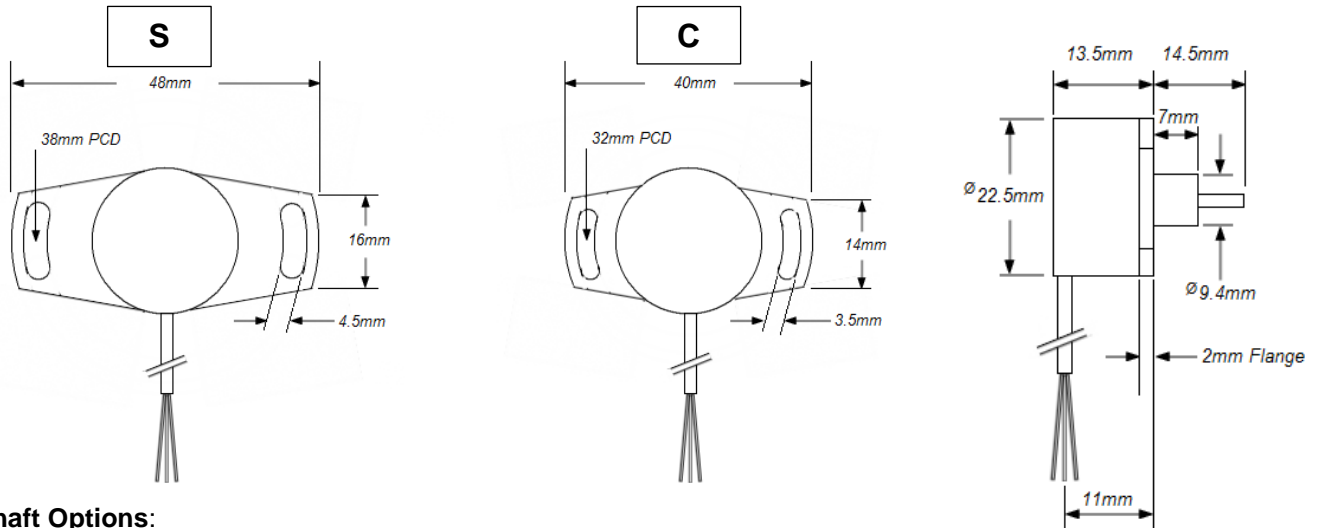
Mechanical

◆	Mechanical angle:	360° continuous
◆	MAX Shaft Velocity:	600 RPM
◆	Torque:	<3Ncm
◆	Housing Material:	Aluminium
◆	Shaft Material:	Stainless steel
◆	Weight:	15g (without cable)
◆	Sealing:	IP67
◆	Operating Temperature:	-40°C ÷ +175°C
◆	Vibrations:	5-2000Hz random
◆	Cable type and length:	~1000mm AWG26 Spec 55A
◆	Wiring:	

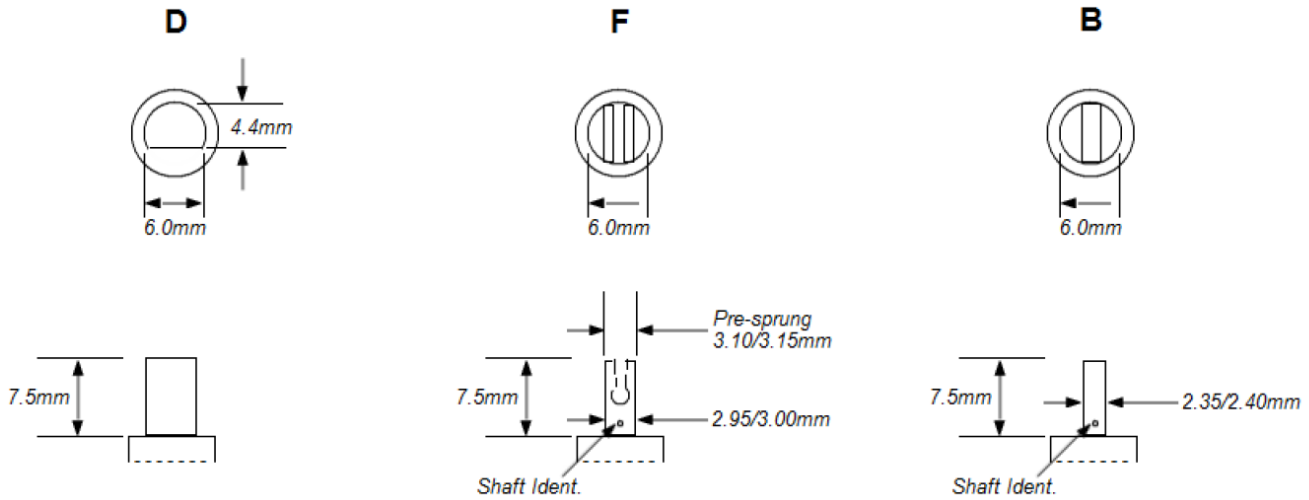
	Vcc	Gnd	Signal
Single output:	RED	BLACK	YELLOW
Dual output (125° only):	BROWN	BLUE	WHITE

◆	Alignment:	Sensor output is at electrical center, when the shaft flat (D) or the shaft ID ° (F,B) is aligned with the cable exit.
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Dimensions:



Shaft Options:



Ordering information:

Sample Product Code: **SRR - 350 - S - F**

Electrical Angle:

- 045 = 45°
- 125 = 125°
- 350 = 350°

Housing:

- S** = Standard flange mount (refer to drawing)
- C** = Compact flange mount (refer to drawing)

Shaft Style:

- D** = Shaft design D (refer to drawing)
- F** = Shaft design F (refer to drawing)
- B** = Shaft design B (refer to drawing)