

KR22 SERIES ROTARY POTENTIOMETER



The KR22 Series of Rotary Potentiometers are designed to withstand the harsh environments within motorsport and automotive testing applications.

By using a proven conductive plastic track technology and multi-fingered contacts, the KR22 offers high performance and reliability at temperatures up to +175°C. Alternatively, it is capable of operational excellence in cold environments down to -40°C.

With a small and lightweight 22.5mm diameter body, the KR22 Sensor is ideal for many applications within both motorsport and automotive testing and development programs.

This IP67 rated sensor is available in either Single (3 wire) or Dual (6 wire) outputs, the modular design allows for various Mounting arrangements with different Shaft/Drive types.

TECHNICAL SPECIFICATIONS

Electrical Angles (Degrees)	45°, 125°, Dual 125°, 350°
Nominal Resistance	5KΩ (±20%)
Resolution	Essentially Infinite
Repeatability	<=0.01%
Operational Speed	150 RPM
Mechanical Life	> 25 Million Cycles
Independent Linearity	<= ± 0.5%
Supply	5V Typical (40Vdc Maximum)
Operating Temperature Range	-40°C to +175°C
Housing Material	Aluminium
Shaft Material	Stainless Steel
Track Technology	Conductive Track
Electrical Connection	50cm 26AWG, 55 Spec, FDR 25 Sleeve
Protection Class	IP67
Weight	15g (Without Cable)

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

*Sense
Analyse
Control*

Features

- Compact Design
- Excellent Linearity
- High Temperature
- Lightweight
- IP67 Standard Sealing
- Rugged Construction

Applications

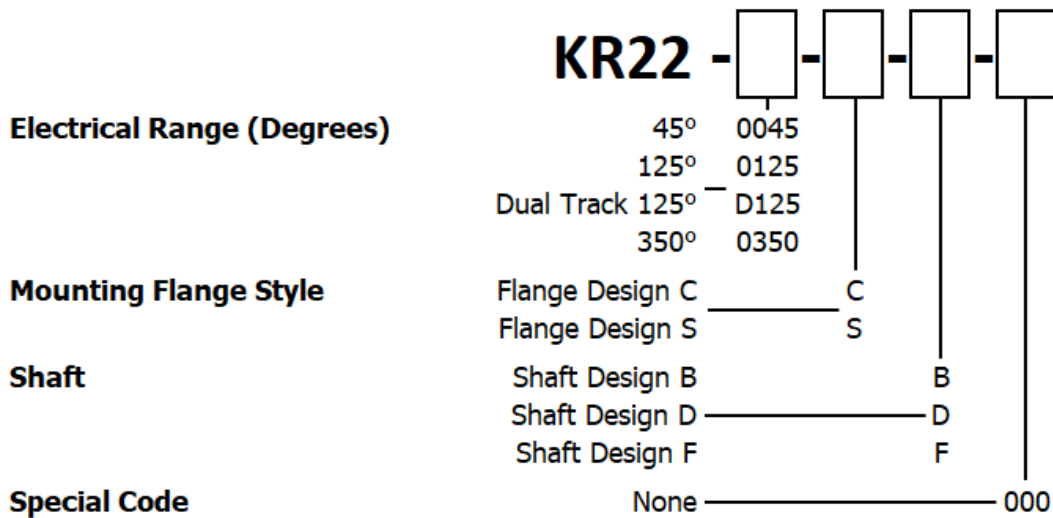
- Throttle Position
- Steering Angle
- Pedal Position
- Gear Position
- Aero Surfaces
- Actuators

bf1systems.com

sales@kasensors.com

KR22
KA033D-DS (rev1)

PART NUMBER CONFIGURATOR

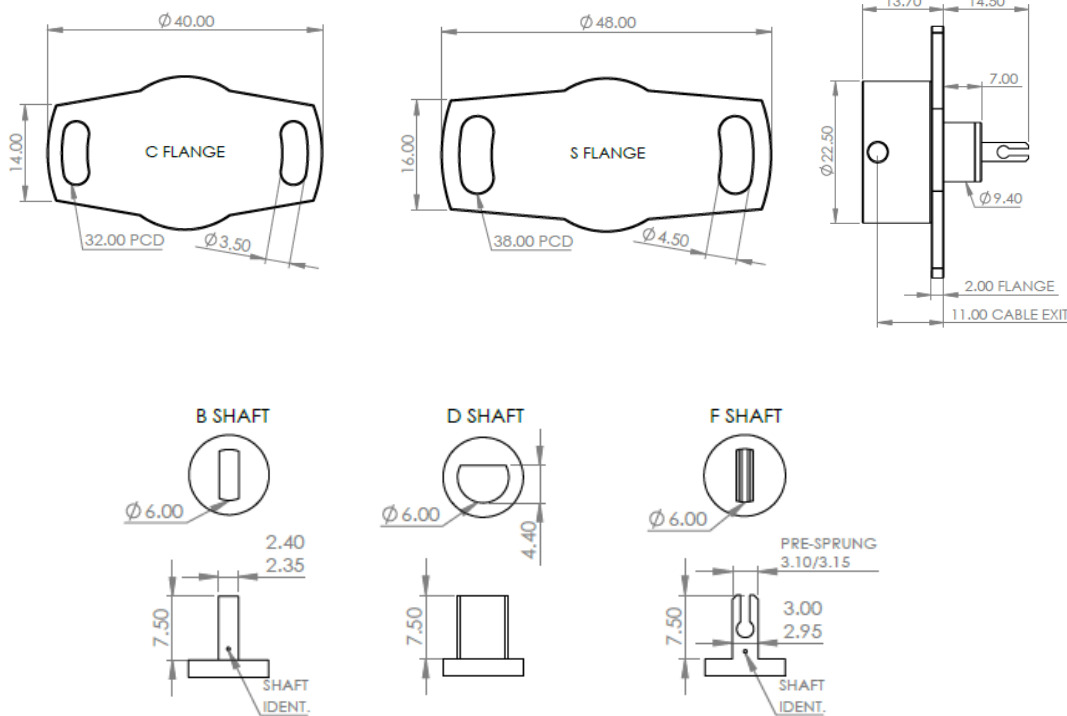


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Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

MECHANICAL DETAILS



Contact us

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 Springfield Business Park
 Grantham
 United Kingdom
 NG31 7FZ

CONNECTION DETAILS

	+Ve Supply	0V Supply	Signal
Single Output	Red	Black	Yellow
Dual Output	Brown	Blue	White

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 sales@kasensors.com

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