



**A non-contacting rotary to digital converter used to provide accurate shaft speed information**

Designed for a wide range of OEM applications where simplicity, ease of installation and reliability are of prime consideration.

## SHAFT SPEED ENCODER

### KEY FEATURES

High resolution suited for slow-speed applications
Heavy-duty shaft / sealed bearing with external lip seal
Rugged, corrosion-resistant construction
Proven, non-contact sensing technology
Sealed Electronics
RoHS compliant (lead-free)

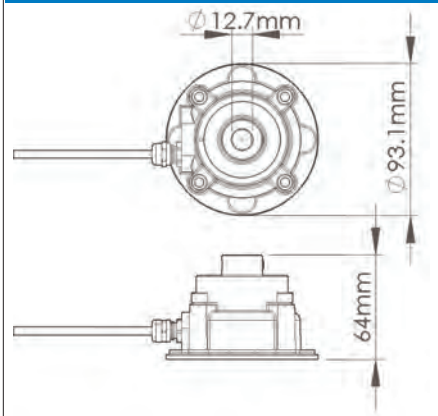
### OPERATING SPECS

Pulses per revolution:	1024
Accuracy:	±0.5 ° (4096 cpr)
Hysteresis:	±0.18 ° (4096 cpr)

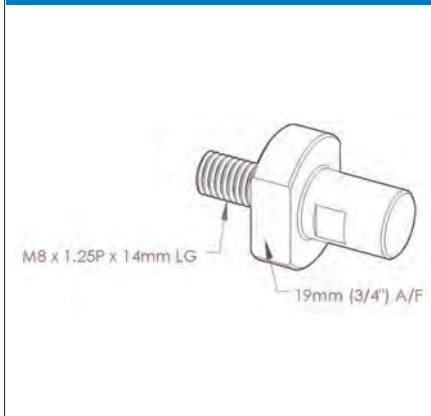
### ELECTRICAL SPECS

Supply Voltage:	10-18Vdc
Current Draw:	20 mA at 12V
Output:	Push-Pull, V. supply, 470R.
Termination:	Deutsch DT06-3S, 3-way Plug/Sockets, Pin A: Signal Pin B: Ground Pin C: +12Vss
Cable:	0.5M, NW 8.5 conduit all-weather TPE (ETIM 5.0 Class-ID: EC000104)

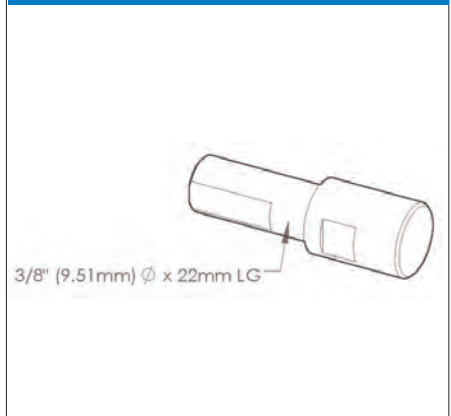
### DIMENSIONS ENCODER : J/JR/421-3-004



### DIMENSIONS M8 ADAPTOR : S/AC/421-3-015



### DIMENSIONS 3/8" ADAPTOR : S/AC/421-3-014



### MECHANICAL SPECS

Materials:	Front Housing: PA6 GF50, Black Rear Housing: PA66 GF40, Black Shaft and Fixings: A2 Stainless Steel Retainer Strap: PA6 2mm, Black
Shaft coupling:	Base shaft 1/2" dia bore (12.7mm) with M6 grub screw Adaptor shafts: M8 x 1.25mm thread x 14mm long, 17mm A/F Spanner Flats, or 3/8" dia with flat for locking screw
Sealing:	Electronics : IP68, Housing: IP65
Dimensions:	93mm Dia x 70mm depth (excluding thread)

### ENVIRONMENTAL SPECS

Temperature:	Operating : -20° - +70°C, Storage : -40°C to +85°C
Humidity:	Operating : 80% non-condensing (IEC61010-1) Storage : 95% non-condensing (IEC61010-1)
Acceleration:	Operating : 500 m/s <sup>2</sup> , BS EN 60068-2-7: 1993 (IEC 68-2-7: 1983)
Shock:	Non- operating : 1000 m/s <sup>2</sup> , 6ms, 1/2 sine BS EN 60068-2-27: 1993 (IEC 68-2-27: 1987)
Vibration:	Operating : 100 m/s <sup>2</sup> max @ 55 to 2000Hz, BS EN 60068-2-6: 1996 (IEC 68-2-6: 1995)
EMV Compliance:	BS EN 61326