VTP11 - D-shaft Sensor

Variohm EuroSensor's new VTP11 rotary position sensor combines well-proven resistive



- Simple flange mounting with 8 mm 'D' through-hole drive
- Conductive plastic track for durability
- Multi fingered wipers for excellent contact under vibration

throttle, steering angle, suspension and sequential gearbox.

• Long life - 5 x 106 cycles

Sealed to IP66

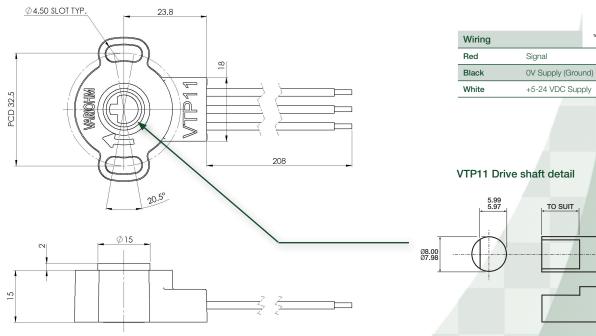
Wide temperature range

element technology and convenient 8 mm D-shaft mounting in a durable and low cost IP66 rated package that ensures reliable and long-life operation for high performance motorsports - especially for throttle positon sensing. Variohm's conductive plastic track and multiple fingered wiper assembly has been designed to maintain full sensing contact even in the most arduous shock and vibration conditions. With a 97° measuring range and 5 k Ω throttle range resistance value from a 5...24 VDC input, the VTP11 will suit a wide variety of motorsports and specialist vehicle positon sensing applications including

Dimensions (mm) & wiring

frederic.piteux@akyonelectronique.fr +33 (0)134 947 710 - Mob : +33 (0) 622 920 278 Contact Commercial Secteur EST : didier.simon@akyonelectronique.fr +33 (0)134 947 711 - Mob : +33 (0) 680 923 780

ALCYON



Specifications

Construction	Conductive Plastic Track with multi fingered wipers, ensuring excellent contact under vibration
Life expectancy	5 x 10 ⁶ cycles
Mechanical rotation	112° max
Electrical rotation	97° +/- 3°
Linearity	+/- 1%
Supply voltage	524 VDC
Resistance Value	5 kΩ +/-20%
Environmental sealing	IP66
Temperature range	-25 to +125 °C (Peaks of 150 °C for 15 mins)
Connector options	Various options available
Housing material	Glass-filled PBT
Cable type	1-core silicone wire, 20 AWG 256/0.05 copper conductor, O/D: 2.7mm, 3A 1.5kV (208 mm long)

