

VARIOHM EUROSSENSOR CONTACTLESS TPS TPS-502

RACEWORKS™
PASSION FOR PERFORMANCE

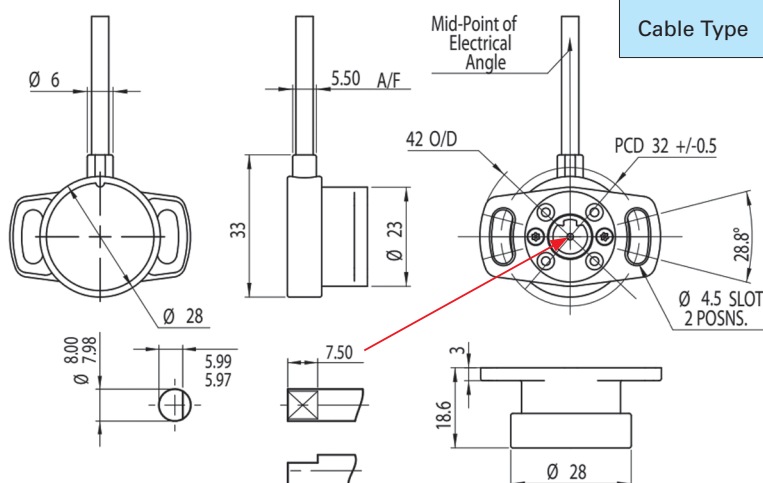
MECHANICAL

Typical Life Cycle	>50 million movements (restriction by mechanics)
Torque	<0.1 Ncm
Measuring Range	360° Redundant, Signal 1 CW, Signal 2 CCW
Housing	High-grade temperature resistant plastic
D-Shaft	Nylon 66

ENVIRONMENTAL

Operating Temperature	-40°C to +125°C (Short Term 150°C)
Vibration	5...2000Hz; Amax = 0.75mm; Amax = 20g to IEC 60068-2-6
IP Rating	IP68 (minimum)

DIMENSIONS (MM)



ELECTRICAL

Supply Voltage	5V +/- 0.5V
Output Signal	Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start and end voltage)
Independent Linearity	+/- 0.5% of each signal range
Isolation Resistance	200 MΩ (500 VDC, 1 bar, 2s)
Cable Type	Raychem Spec 55, 24 AWG; Sleeving – Raychem DR25

CONNECTOR KIT

CPS-126 included



TPS MOUNTING & WIRING

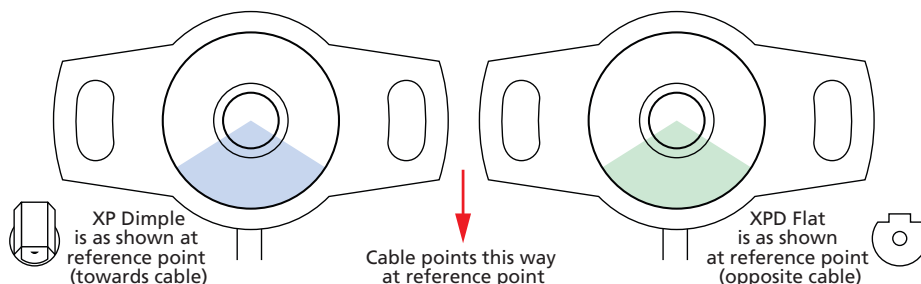
WIRING FOR CLOCKWISE ROTATION FROM CLOSED TO OPEN

Green	+5V
Yellow	Signal
Blue	Ground

WIRING FOR COUNTER-CLOCKWISE ROTATION FROM CLOSED TO OPEN

Red	+5V
White	Signal
Black	Ground

CH 1 Range	110	CH 1 Offset	0	CH1 Start Volts	0.25	CH1 End Volts	4.75	CW/CCW	CW
Signal 1 Clamped?	Yes			CH1 Reference Point		Midpoint			
CH 2 Range	110	CH 2 Offset	0	CH2 Start Volts	4.75	CH2 End Volts	0.25	CW/CCW	CCW
Signal 2 Clamped?	Yes			CH2 Reference Point		Midpoint			



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