

VARIOHM EUROSSENSOR CONTACTLESS TPS-500

RACEWORKS™
PASSION FOR PERFORMANCE

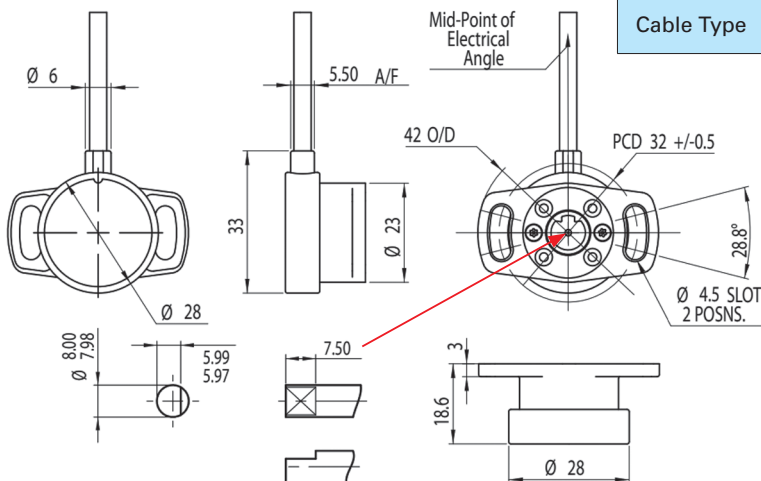
MECHANICAL

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

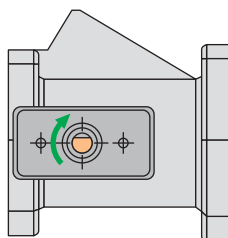


CONNECTOR KIT

CPS-126 included

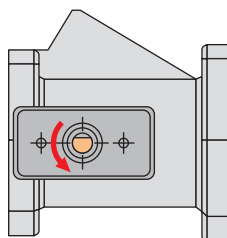


TPS MOUNTING & WIRING



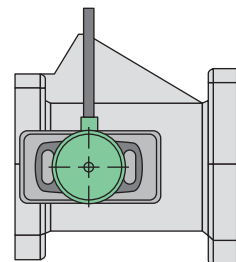
**THROTTLE
SHAFT ROTATES
CLOCKWISE
FROM CLOSED
TO OPEN.**

WIRING FOR CLOCKWISE ROTATION FROM CLOSED TO OPEN		
Green		+5V
Yellow		Signal
Blue		Ground

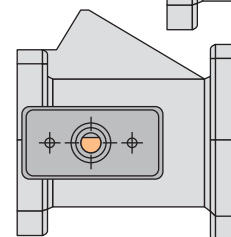


**THROTTLE
SHAFT ROTATES
COUNTER-
CLOCKWISE
FROM CLOSED
TO OPEN.**

WIRING FOR COUNTER-CLOCKWISE ROTATION FROM CLOSED TO OPEN		
Red		+5V
White		Signal
Black		Ground



TPS Mounting
Orientation.



D-Shaft orientation at CLOSED
THROTTLE (Flat at top of shaft)

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