

Variohm Euro XPD D-Shaft - Programmable sensor

- 8 mm D-Shaft Rotary Sensor • Hall Effect non-contact technology
- Long life - extremely robust • Programmable angles from 20° up to 360°
- IP68 protection • Redundant output Specifications

Based on the well proven 28 mm diameter Euro-XP angle sensor. With programmable angle selection and redundant output this compact and contactless Hall Effect sensor features IP68 sealing and will suit arduous high-duty cycle position feedback applications in all areas of motorsports.

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...2000 Hz; Amax = 0.75 mm; amax = 20g to IEC 60068-2-6
IP rating	IP68 (minimum)
Supply Voltage	5V+/- 0.5V
Output signal	Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start & 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

