Legion Brothers

Obsessed with innovations

Engine Crank Angle Encoder (Product Code: R&DU03)



Features

- Extensive range of Experiments
- Comprehensive teaching manual
- Three-year warranty
- Esthetically designed and finished Rig.
- High Quality instrumentation

Product / Component Specification

General specifications	
Pulse count	360 ppr
Electrical specifications	
Operating voltage	5 V DC ± 5 %
No-load supply current I_0	Max. 70 mA
Output	
Output type	Pulse
Operating current	Max. per channel 20 mA , conditionally short-circuit proof (not with U_b)
Output frequency	Max. 200 kHz
Rise time	100 ns
Connection	
Connector	type 9416, 12-pin, type 9416L, 12-pin
Cable	Ø7.8 mm, 6 x 2 x 0.14 mm2, 1 m
Standard conformity	
Protection degree	DIN EN 60529, IP65
Climatic testing	DIN EN 60068-2-3, no moisture condensation
Emitted interference	DIN EN 61000-6-4
Interference rejection	DIN EN 61000-6-2
Shock resistance	DIN EN 60068-2-27, 100 g, 3 ms
Vibration resistance	DIN EN 60068-2-6, 10 g, 10 ... 2000 Hz
Ambient conditions	
Operating temperature	-20 ... 60 °C (253 ... 333 K), fixed cable
Storage temperature	lens -40 ... 70 °C (233 ... 343 K)
Mechanical specifications	
Material	
Housing	aluminium, powder coated
Flange	aluminium 3.1645
Shaft	stainless steel 1.4305
Mass approx.	350 g
Rotational speed.	max 12000 min -1
Moment of inertia	≤ 25 gcm2
Starting torque	≤1.5 N-cm

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