

EPAS16 Contactless Torque Sensor (CTS) DTM Connector

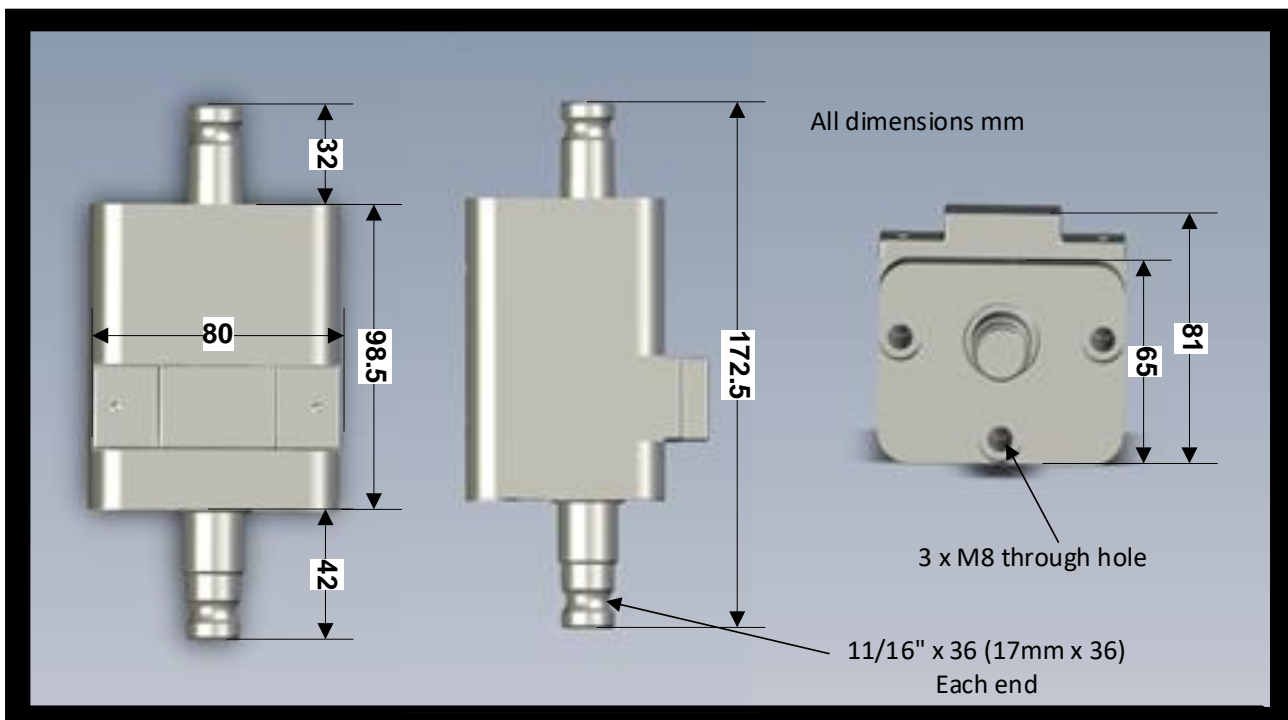


EPAS16

The DC Electronics CTS device is designed to be fitted in line with the steering column and can be used to transmit steering torque demands to the vehicle datalogger to aid with vehicle set up, or it can be used to directly connect these signals to the DC Electronics Ultra range of power steering ECUs, when used as part of an electric power steering system.

The sensor transmits x2 0V to 5V analogue torque signals.

The shaft contains an internal torsion bar to create a deflection allowing the sensor to read.



Technical Specification and Contact Details overleaf

Technical Specification EPAS16

Operating Voltage (VDC)	5V
Torque Rating	-20 to +20Nm
Overload Rating	1000%
Sample Rate	100 Samples per second
Accuracy	0.1% at full scale
Analogue Output 1 – Torque A	0V to 5V (2.5V at rest rising for clockwise torque input)
Analogue Output 2 – Torque B	0V to 5V (2.5V at rest falling for clockwise torque input)
Total Angular Rotation	Infinite (no mechanical stops)
Spline Detail	17mm x 36 (11/16" x 36)
Shaft Material	17-4PH stainless steel
IP Rating	IP67

Electrical Connection

Mating connector is a DTM06-4S

Connector Pin Out		
Pin	Function	Wire Colour
1	5V	Orange
2	0V	Green
3	Torque A	White
4	Torque B	Black



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