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Tyco Electronics Presents PLCD Travel – and Angular Platform Sensors for Non-Contact Position Measurement

In the automotive industry, development time is a key factor for successful market positioning. Tyco Electronics' answer to this is a platform strategy for developing and manufacturing non-contact switches, angular- and travel sensors. Standardized designs and production processes offer short-term available and fully operational sensors for functional testing and also for small serial production volumes. One highlight is the PLCD travel- and angular sensor platform for measurement ranges up to 55 mm or 120° (s. picture).

This sensor is based on the Tyco Electronics PLCD technology (Permanentmagnetic-Linear-Contactless-Displacement). A permanent magnet, located at the moving part, serves as the target object, whose position will be detected through non-ferromagnetic walls. The position information will be prepared according to automotive common requirements and transmitted in the form of an analogue ratiometric or PWM signal. The PLCD sensor offers advantages such as allowing accurate measurement in demanding automotive applications and, due to the simple fact that this is a non-contact system, mechanical wear is avoided.

Information about Tyco Electronics – Automotive Sensors:

As a specialist for non-contact sensors (Position, Travel, Angle, Speed, Temperature) Tyco Electronics offers innovative technologies and product solutions for automotive applications, as for example:

- Transmission (Neutral-, Drive Mode-, Gear/Shift position, Speed Sensors)
- Clutch (Position Sensors for Master-, Slave- and



- Concentric Slave Cylinder, Clutch Pedal)
- Seat (Seat Track Position, Seat-belt buckle)
- Steering (Torque, Steering- and Motor Angle Sensor, Rear Axle Steering Cylinder)
- Brake (Brake Light Switch, Wheel Speed Sensor, Brake Simulation Module or Brake Master Cylinder)
- Chassis (Chassis Level, Convertible Roofs, E-gas Modules)
- Engine and Exhaust Management (Throttle, Air Control, Turbocharger, EGR, Cam- and Crankshaft)
- Convenience Applications (Door Lock Units, Convertible Sun Roof)
- Fuel Level Management (Fuel Level Sensor, Filter Water Detection, Fuel Pump Control)

About Tyco Electronics

Tyco Electronics Ltd. is a leading global provider of engineered electronic components, network solutions, undersea telecommunication systems and wireless systems, with 2007 sales of US\$13.0 billion to customers in more than 150 countries. We design, manufacture and market products for customers in industries from automotive, appliance and aerospace, defense and marine to telecommunications, computers and consumer electronics. With over 7,000 engineers and worldwide manufacturing, sales and customer service capabilities, Tyco Electronics' commitment is our customers' advantage. More information on Tyco Electronics can be found at www.tycoelectronics.com.

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