

Contactless Angle Sensor for Ex Areas

Turck's Ri-DSU35 is the first contactless inductive angle sensor that can also be used in the Ex area – ideal for valve control

Mülheim, October 27, 2016 – Turck's Ri-DSU35 is the first contactless inductive angle sensor that also has ATEX and IEC-Ex approval for use in zones 1 and 21. Compared to dual sensors, the Ri-DSU35 offers considerable benefits for the position measurement of valves and stop valves in Ex areas: As it can detect valve positions in the full 360° range, it is also possible to monitor three-way valves. This enable the cleaning setting to also be detected and positioned exactly. As the sensor comes in the same housing as the conventional dual sensor, it can be fitted as usual with the extensive range of Turck accessories.

The contactless measuring principle of the Ri-DSU35 operates absolutely wear-free, thus ensuring a long service life and constant precision. Through the 360° detection of the valve position, the sensor also enables predictive maintenance. The user can thus detect a worn seal as soon as the sensor outputs a value that deviates from the originally expected flap end position.

The Ri-DSU35 is provided with a terminal chamber connection. The terminal strip can easily be removed to maintain the drive and then refitted afterwards. This reduces personnel requirements for servicing since the terminal strip acts like a connector and can be plugged error-free without any special electrical knowledge.

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The Ri-DSU35 contactless angle sensor can also be used in the Ex area for valve position measurement in a 360° measuring range

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