

Inductive IO-Link Sensors with Analog Output

Turck's flush and non-flush mountable, measuring, inductive sensors ensure high linearity and easy handling

Mülheim, April 18, 2024 – Turck is expanding its sensor range with inductive measuring sensors with IO-Link and an analog output for flush and non-flush mounting. Thanks to the integrated microprocessor, the BI11-CK40 and NI25-CK40 models offer significantly improved linearity and accuracy including temperature compensation over a wide temperature range from -25 to +70 °C. The devices are the only sensors of this type to have a standard adjustable 0 to 10 V voltage output as well as an additional switching output that can be freely parameterized via IO-Link, thus providing precise measurement data and extensive diagnostic functions for predictive maintenance.

The simple parameter transfer via IO-Link moreover facilitates sensor replacement in the event of a fault and minimizes downtimes in production. With a long range of up to 25 mm and a minimum linearity deviation of less than 1 percent for the flush version and less than 3 percent for the non-flush version, the robust IP67 sensors offer maximum precision and reliability in a wide range of applications, for example in the mechanical engineering, packaging, energy and automotive sectors. The proven rectangular CK40 design allows space-saving, flexible and easy-to-implement installation solutions. The sensor head can be positioned easily in five directions using the tool supplied.

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High precision: the microprocessor integrated in the sensor guarantees linearity and accuracy including temperature compensation

FURTHER INFORMATION

https://www.turck.de/en/product-news-2860_inductive-iolink-sensors-with-analog-output-48143.php

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