

Factor 1 Sensors with Maximum Switching Distances and IO-Link

Turck is offering new uprox3 sensors in M30 and rectangular designs with the world's largest switching distances of 20 and 50 mm and with factor 1 – IO-Link makes the devices even more versatile

Mülheim, March 15, 2016 – At the Hannover Messe Turck is showcasing additional uprox3 factor 1 sensors with the world's largest switching distances: The BI20U-M30 cylindrical proximity switch, for example, offers a switching distance of 20 mm in all materials even with fully flush mounting. The large switching distance of the sensor, which is also resistant to magnetic fields, increases its versatility – for example in automotive body assembly. Any possibility of mechanical damage to the proximity switch is thus virtually excluded.

The BI20U-M30 is also available with IO-Link so that parameters such as switching distances, hysteresis or off delay can be set individually. It is also possible to implement speed monitoring, two switch points or diagnostics or temperature alarms. After the parameters are set, the sensors can also be run in standard I/O mode at any NPN or PNP switch input. Operation on IO-Link masters also allows full access to all diagnostics data and offers all benefits of the IO-Link concept. Both versions of the BI20U-M30 are available in chrome-plated brass housings or as PTFE-coated variants for welding applications.

If larger switching distances are required, the rectangular CK40 and QV40 designs are available. These factor 1 sensors offer as yet unachieved switching distances of 50 millimeters and can even be partially embedded or fully flush mounted if required. These devices are also available for the first time with an IO-Link interface, which further enhances the regular mounting flexibility provided with devices such as the BI20U-M30. The active face of the QV40 can also be adjusted in five positions quickly and without tools.

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Turck's uprox3 inductive factor 1 sensor is now also available in M30 and CK40 designs with IO-Link

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