

PRESS RELEASE 09/15

Factor 1 Sensors of the Third Generation

Turck's new uprox3 series offers the most compact designs up to 4 mm in diameter and the largest switching distances for all metals

Mülheim, March 11, 2015 – At this year's Hannover Messe, Turck is presenting uprox3 as the third generation of its range of uprox factor 1 sensor, which has the same switching distance for all metals. The electronic platform of the uprox3 Series has been completely redeveloped, and is a world first in that it enables the creation of factor 1 sensors in the compact 4 mm smooth barrel and M5 designs with a 1 mm switching distance, even for flush mounting. Turck has also managed to shorten the length of the previously most compact M8 to M18 designs.

Although the existing uprox+ sensors offered large switching distances for all metals, these could be increased by 50 percent in the new series. Turck's uprox3 Series thus currently offers the largest switching distances of all factor 1 sensors on the market; with flush mounting these are a previously unattainable 3 mm in the M8 design, 6 mm in M12 and 10 mm in M18. Thanks to the consistent further development of its uprox technology, Turck has been able to achieve these larger switching distances without any compromises in terms of performance and mounting requirements. The uprox3 sensors therefore not only offer standard application reliability for demanding switching tasks, but also allow the possibility of completely new applications.

Due to their inherent immunity to magnetic fields, the uprox3 Series sensors are suitable for use in many demanding industrial sectors such as for welding applications. Here, the new uprox3 Series once again offers especially robust PTFE coated sensors in M8, M12 and M18 designs. Like their predecessors, all uprox3 sensors offer a high EMC stability and flexible mounting options right through to fully flush mounting in all metals, as well as precise switch points.



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The third generation of uprox sensors offers the most compact designs and the largest switching distances for all metals

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