

Decentralized I/O Solutions for the Ex area

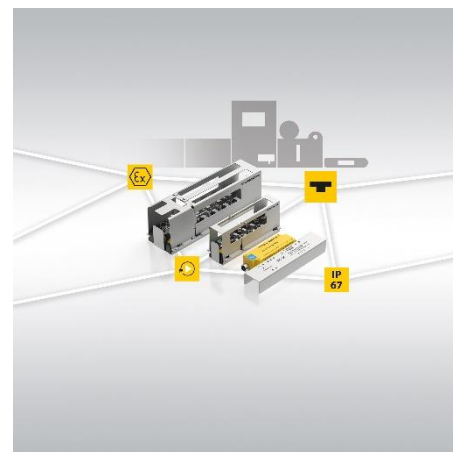
Ex approval of Turck's TBEN-S and TBEN-L block I/O series enables cabinet-free modularization right into ATEX Zone 0 for the first time

Mülheim, December 9, 2021 – Turck has approved its IP67 block I/O modules for the TBEN-S and TBEN-L versions for use in Zone 2. The automation specialist is thus the first supplier to enable cabinet-free decentralized automation solutions with ATEX and IEC Ex approval, and thus considerably reduce the required mechanical labor, wiring and also commissioning times. In conjunction with the devices of the IP67-rated IMC interface series, it is even possible to implement the cabinet-free connection of intrinsically safe signals from Zone 0 or 1.

Users can also implement cabinet-free safety, RFID, IO-Link, controller or cloud solutions directly in Zone 2 since virtually the entire Turck IIoT eco system is offered in these designs. Users must also install the TBSG-L, TBSG-S or IMC-SG protective housings when implementing the I/O solutions in Zone 2. They provide protection against shock and sparking caused by the accidental removal of cables. Applications requiring FM approval can also be operated without the housings. The range of applications with Ex zones includes those in painting, bottling or pharmaceutical plants as well as those in the food industry or wood processing plants.

The ARGEE logic software on the I/O modules enables autonomous applications to be implemented directly in Zone 2. This is particularly useful for retrofit applications since existing controller systems do not have to be adapted. Condition monitoring and data analysis via cloud systems can now also be implemented from Zone 2 without the need for a control cabinet.

PRESS RELEASE 25/21



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Admission Ticket to Zone 2: The protective housing and the IMC signal converters bring Turck's I/O eco system into the Ex area

ADDITIONAL INFORMATION

https://www.turck.de/en/product-news-2860_decentralized-io-solutions-for-the-ex-area-42635.php

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