

RFID Read/Write Head for Ex Zone 1/21

Turck is presenting the world's only HF read/write head with Ex-m protection for contactless identification in explosion-protected areas

Mülheim, May 11, 2021 – Turck is presenting the TN-R42/TC-Ex as the world's only HF RFID read/write head certified for direct use in ATEX Zone 1/21. Turck is expanding its Industry 4.0 portfolio into explosion-protected areas and is thus underlining its commitment to being a supplier of end-to-end IIoT solutions in the process industry.

The read/write head stands out from flameproof identification solutions for Zone 1/21 on account of its extremely compact dimensions and can therefore also be installed in applications where space is restricted. The slim-line TN-R42/TC-Ex is therefore ideal for the contactless identification of correct hose and flange connections, which ensure investment and product quality in the chemical and pharmaceutical industry.

The interface connection of the TN-R42/TC-Ex operates like a standard read/write head for the safe area. HF RFID tags with a password function are also available for applications with demanding requirements with regard to data security and access protection.

The read/write head is simply connected to Turck's BL20 or TBEN RFID interface series and can also be installed in protective housings in Zone 2/22 if required. It can also process other information in addition to hose identification, such as socket, data, time or the degree of hose contamination. Turck's multiprotocol technology enables data transfer to the control system via three Ethernet protocols – Profinet, EtherNet/IP and Modbus TCP.

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As the world's only HF RFID read/write head on the market, Turck's TN-R42/TC-Ex ensures the identification of correctly fitted hose connections in ATEX Zone 1/21

ADDITIONAL INFORMATION

https://www.turck.de/en/product-news-2860_rfid-readwrite-head-for-ex-zone-121-40196.php

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