

RFID Read/Write Heads and Tags in Miniature Format

Turck's compact HF RFID solution in an M12 housing enables easy identification of miniature objects

Mülheim, November 2, 2023 – Turck is expanding its RFID product portfolio with four read/write heads in an M12 housing and an in-metal tag in the compact 4 x 3 millimeter format. The combination of miniature tag and read/write head enables the identification of very small metal objects in very restricted spaces. These enable the implementation of piracy protection applications for spare parts and consumables. Typical applications for this solution can be found in machine building, wood processing machines or CNC machining tools as well as in packaging technology and electronics manufacturing.

With 316 bytes of available memory and password protection, the mini tag with the SLIX chip from NXP can be used as a digital nameplate for unique component identification. This allows manufacturer data, technical specifications or the service history to be stored in order to implement effective piracy protection in machines or other applications. The password function of the tag provides protection against the unauthorized reading and writing of information. Alternative charging models can also be implemented by recording machine runtimes and component service times.

The read/write heads are available for both flush and non-flush installation. A variant supporting HF bus mode is also provided for both options. HF bus mode enables the cost-effective installation of up to 32 read/write heads in a line topology, thus substantially reducing the installation effort required.

PRESS RELEASE 17/23



Turck1723.jpg:

The read/write heads offer in combination with the RFID tag several possible variations for different applications

ADDITIONAL INFORMATION

https://www.turck.de/en/product-news-2860_rfid-readwrite-heads-and-tags-in-miniature-format-47181.php

PRESS CONTACT

Klaus Albers
Director Marketing Services & Public Relations
Phone: +49 208 4952-149
Mail: klaus.albers@turck.com
Web: www.turck.com/press

CONTACT

Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr, Germany
Mail: more@turck.com
Web: www.turck.com

Text and image can be downloaded at:
www.turck.com/press