

TURCK

Industrial Automation

RFID

www.turck.com

WANT TO KNOW WHAT'S COMING?

MODULAR RF IDENTIFICATION SYSTEMS



***BLident from TURCK – Reliable data transmission in
temperature ranges up to 210°C.***

**New advantages for
industrial requirements with
RFID from TURCK.**

- **More efficient production based on higher application speeds:**
Typical read/write time 0.5 ms per Byte
- **Flexible integration based on modular design:**
2, 4, 6 or 8-channel interfaces,
various shapes of read/write heads
- **Unlimited application due to expanded temperature range:**
Data carriers for high temperatures
up to 210 °C
- **High system availability based on state-of-the-art storage technology:**
Long-life FRAM data carriers, for
virtually unlimited number of write
operations
- **Simple integration into control environment:**
Interfaces for PROFIBUS-DP,
DeviceNet™, Ethernet Modbus-TCP,
PROFINET IO, EtherNet/IP

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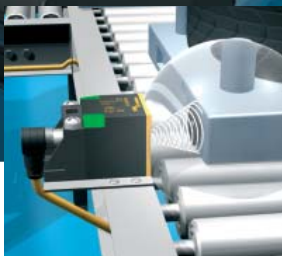
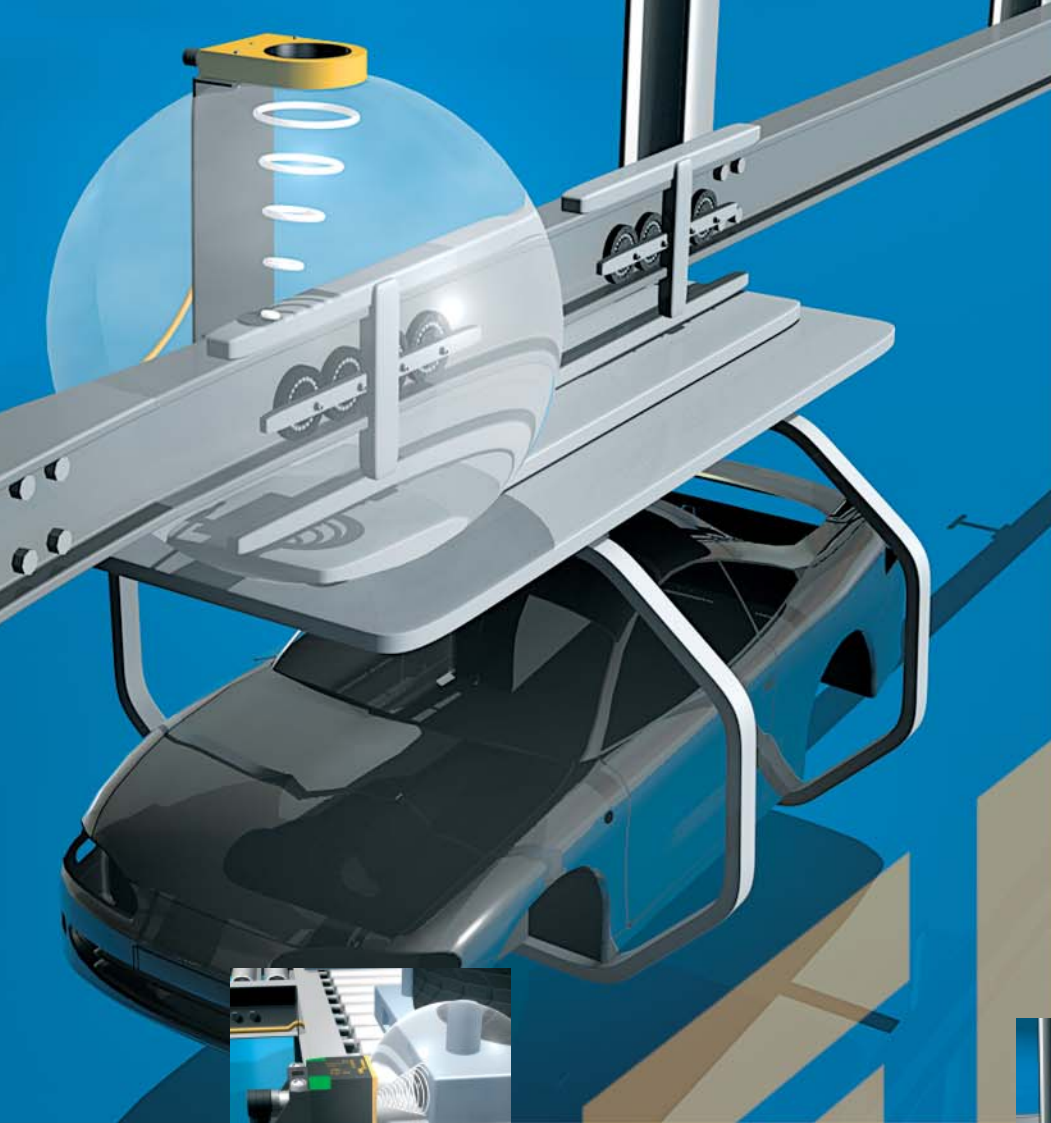
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BL *ident*

NEW GENERATION RFID SYSTEMS



Fast

Production efficiency highly dependent on the maximum possible speed of the transport equipment. While many conventional RFID systems allow only static read and write operations, the new *BLident* system from TURCK is capable of reading and writing "on the fly". Data can be exchanged even when the data carrier is in motion. With a read/write time of 0.5 ms/Byte, *BLident* is one of the fastest inductive RFID systems on the market. Even transport speeds of over 10 m/s are no problem.

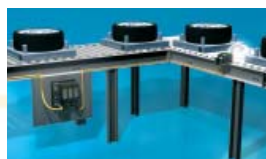


Safe

In addition to standard data carriers for temperatures up to 120 °C, *BLident* data carriers are also available with a temperature resistance of to 210 °C. The new tags from TURCK can now even be put through the baking furnace, eliminating the complicated work for protection or removal required previously before baking the enamel.

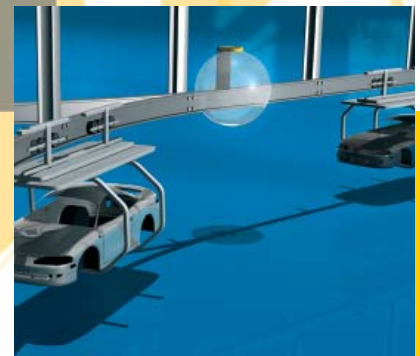
Longer Service Life

Use of state-of-the-art FRAM storage technology allows 10^{10} write operations and an unlimited number of read operations on the TURCK data carriers. This means that it is practically no longer necessary to ever replace data carriers, even when used in applications requiring repeated write operations. This increases the availability of the equipment drastically. And another feature: At appropriate ambient temperatures all data remains stored on the data carriers for 10 years, ensuring that the equipment is ready for operation for an extremely long period.



Flexible

BLident offers a fine modular design with 2, 4, 6 or 8 channels for optimum adaptation to the specific application. Here flexibility is ensured by the fieldbus interfaces: PROFIBUS-DP, DeviceNet™, Ethernet Modbus-TCP, PROFINET IO, EtherNet/IP, allowing *BLident* to be integrated into existing systems without problems – with IP20 or IP67 degrees of protection.



Additional advantages of flexibility:

- Read/write heads with air interfaces (read/write intervals) between 15 and 200 mm
- Integration of read/write heads in shapes to meet specific applications – even for mixed operation: Cylindrical M18 and M30, square CK40 and Q80 as well as ring-shaped S32XL
- Tested standard function modules for highly varying types of controls – for complex functions and troubleshooting.

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