

We are on Track!

Electronic control for rail vehicles

InnoTrans 2022 - September, 20st - 23rd
Hall 27 Booth 630



InnoTrans 2022

The Future of Mobility

As in every "InnoTrans year" the show is the event to present all the exciting news and innovations in the LÜTZE TRANSPORTATION portfolio.

At the following pages you have the exclusive opportunity to have a glance on some of the news before the show even starts. We are sure to spark your interest with our newest developments and would be more than happy to welcome you on our booth to give you all the details on our innovations and recent technical trends.



IRIS
Certification

LÜTZE
TRANSPORTATION

News Control Technology

LION TCMS

LION SIL2 Analog Input

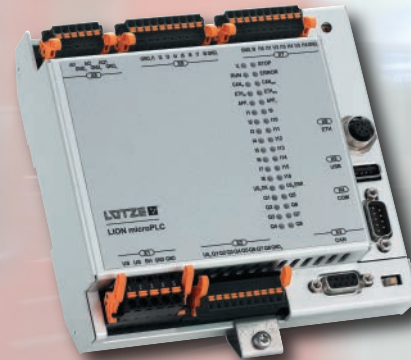
New safe L-Bus² expansion module (SIL2) with 4 analog inputs (4 potentials) for use on railway vehicles. Typical application range for safe sensors 4...20 mA. Measuring range and diagnostic information in the range of -30 mA to +30 mA.

LION microPLC

Small-sized PLC for applications on trains

The LION microPLC is a small-sized PLC with local input and output channels and can be used for decentralized control applications on trains. The internal modular concept is designated for creating customized control solutions.

LION I/O Station
LION SIL2 Analog Input



LION microPLC
Small-sized PLC for
applications on trains

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News Control / Interface Technology

LOCC-Box Rail with TRDP Gateway

- Intelligent current control system for 24 V onboard supplies
- Status indication, diagnostics and configuring via TRDP
- Up to 20 LOCC-Boxes can be connected to the gateway
- Parameterization of triggering current and characteristic load locally or remotely
- Predictive maintenance: Permanent current monitoring of connected loads enables timely detection of upcoming failure and energy management
- Switching on and off remotely by the vehicle control unit; no longer need of installation centrally in an accessible space
- Can also be used as remote output modules with up to 7 A at a width of only 8.1 mm
- Operation independent of TRDP connection

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LOCC-Box Rail
with TRDP Gateway

News Interface Technology

Socket-outlets type E with built-in USB-Charger 2 x USB-A

- AC 250 V 16 A socket with mechanical protection against accidental contact (shutter)
- Connector type E (CEE 7/5)
- 2 USB-A charging ports with max. 2.4 A
- Fast charging regardless of the brand of the mobile phone or tablet
- Stand-by consumption < 50 mW
- NF certified
- Available in matt white and anthracite

Socket-outlets type F with built-in USB-Charger 1 x USB-A / 1 x USB-C

- AC 250 V 16 A socket with mechanical protection against accidental contact (shutter)
- Connector type F (CEE 7/3)
- 1 USB-A and 1 USB-C charging port with max. 3.0 A
- Fast charging regardless of the brand of the mobile phone or tablet
- Stand-by consumption < 70 mW
- VDE certification pending
- Available in matt white and anthracite

Socket-outlets type E



Socket-outlets type F



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News Indication

The SG-200 digital signal generator is a fully parameterizable, two-channel digital signal generator for warning signals in public transport vehicles. It consists of a two-channel digital signal generator that can be activated via 12 / 15 control inputs, and a digital high-performance output stage with 200 W output rating, and a second power output stage with 25 W output rating.

Key Features

- 200 W Class-D amplifier for exterior warning with switch for 2-way vehicles
- 25 W Class-D amplifier for interior warning
- Optional time-controlled night reduction
- 12 / 15 opto-insulated control inputs either status or edge-controlled
- 1 / 4 relay outputs
- loudspeaker monitoring
- Configurable with SG-200 software
- Type-tested to EN 50155

SG-200
Digital Signal-Generator



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News Passenger Information

Passenger Intercom Stations

- Various designs of passenger intercom and emergency call stations
- Optionally with emergency brake lever
- Braille to support impaired passengers
- Wall-mounted or handrail-mounted

Audio Communication System ACSys Central Processing Unit

- Subrack configured by modules to the needs of vehicle manufacturers and public transport operators
- Announcements, audio messages and bi-directional driver/staff intercom
- Interface/gateway modules to connect vehicle control system and enable landside communication
- Fallback solution protects against system failure and guarantees high availability



Passenger Intercom Stations



ACSys Central Processing Unit

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