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**PRESS RELEASE**

Leinfelden, March 2025

#### **EUCHNER at Hannover Messe**

#### **Exciting innovations for more safety**

#### **"Shaping the future with technology" is the motto of this year’s Hannover Messe (March 31 to April 4) – and EUCHNER’s products are helping make that future safer. In Hall 9, Booth D16 the safety technology expert will showcase its latest developments.** **Highlights include IO-Link Safety solutions from the EUCHNER portfolio, the EKS2 – the latest generation of the Electronic-Key-System – and the modular safety door system MGB2 Modular with EtherNet/IP / CIP Safety.**

The MGB2 Modular ensures safe access through safety doors and fences that protect hazardous areas of machines and systems. The entire system is modular and individually configurable: it consists of a locking module, integrated submodules with controls and indicators and optional expansion modules. The integrated Ethernet switch simplifies connection to existing Ethernet networks. In addition to PROFINET / PROFIsafe and EtherCAT (P) / FSoE, the bus module is now also available for EtherNet/IP / CIP Safety. The MGB2 offers users the highest safety category 4 / PL e / SIL3, and is compatible with all common control systems. This robust system has global approvals (UL, CCC, FCC, and IC) and operates reliably even at temperatures as low as -25 degrees Celsius.

**Safely connected**

Visitors to the booth will also be able to get an idea of EUCHNER’s smart solutions. The safety technology expert combines its proven and robust safety components with the benefits of safe communication via IO-Link Safety. Users benefit from safe transmission of actuator IDs and key data (SIL3 / PL e), a standardized interface for switches, guard locking devices, and safety door systems as well as reduced planning and installation effort. Additional advantages include flexible coding level changes via the IO-Link setup, simple device replacement, and detailed status and fault diagnostics.

**Everything under control**

EUCHNER is presenting the latest generation of its Electronic Key System in Hannover. With EKS2, users can manage access to machines and their functions easily, individually and tamper-proof. The complete system consists of an evaluation unit that is easy to integrate via PROFINET, and a reader unit in a hygienic design and with the degree of protection IP69. There are robust EKS2 Electronic-Keys in various colors and with integrated data encryption as well as a programming station and software for writing key data on a standard PC. In combination with the new Electronic-Key-Manager EKM2 and its integrated database, the Electronic-Keys can be flexibly managed on the PC. The input mask for assigning user rights to the key can be individually configured in EKM2 and adapted to your application.

As a consistent further development of the proven EKS system, the new generation offers many benefits in digital access control and operating mode selection. Templates with predefined functions and data fields reduce the programming effort to a minimum. Access rights can be easily assigned via input masks. Current requirements such as IT safety aspects are considered from the start.

**EUCHNER at Hannover Messe: Hall 9, Booth D16**

**EUCHNER – More than safety.**

**Editorial Service:**

**Meta Title:** EUCHNER at Hannover Messe

**Meta Description:** EUCHNER showcases its IO-Link Safety solutions, the latest generation of its Electronic-Key-System, and the modular safety door system MBG2 Modular with EtherNet/IP / CIP Safety at Hannover Messe.

**Social Media Post:** EUCHNER is presenting innovative technologies for maximum safety in automation at Hannover Messe (Hall 9, Booth D16). Focus topics include IO-Link Safety solutions, the EKS2 – the latest generation of the Electronic-Key-System – and the modular safety door system MGB2 Modular with EtherNet/IP / CIP Safety.

**Images: EUCHNER GmbH + Co. KG**

**01 – EUCHNER – MGB2 Modular EtherNet/IP**

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EUCHNER expands its successful MGB2 portfolio and now offers connectivity to all established fieldbus systems. In addition to PROFINET / PROFIsafe and EtherCAT (P) / FSoE, the bus module is now also available for EtherNet/IP / CIP Safety.

**02 – EUCHNER – Safety switches with IO-Link Safety**

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EUCHNER combines its proven and robust safety components with the benefits of safe communication via IO-Link Safety.

**03 – EUCHNER – Electronic-Key-System EKS2**



EUCHNER presents the latest generation of its Electronic-Key-System (EKS) in Hannover. With the EKS2, users can easily, individually, and manipulation-proof control access to systems and machines.

**04 – EUCHNER – EKM2 – Program and manage keys**

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The combination of the compact EKS2 programming station with a USB-C port and user-friendly EKM2 software makes key management easy on a standard PC.

**About EUCHNER GmbH + Co. KG**

*EUCHNER GmbH + Co. KG in Leinfelden is an international family-owned company and employs more than 900 people worldwide. It has 44 subsidiaries and distributors across the world. The company’s managing director is Stefan Euchner. EUCHNER has been developing switchgear for more than 70 years. Its devices are used primarily in the field of mechanical engineering. The company has a leading position in safety engineering. EUCHNER safety switches monitor the position of safety guards on machines and installations electromechanically and electronically with a high degree of reliability.*

More information about the company is available on the Internet at [**www.euchner.de**](http://www.euchner.com)

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