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# PRESS RELEASE

Leinfelden, June 2025

#### EUCHNER: Safety for Smart Automation

**Automation – Sure Thing!**

**Plant construction and mechanical engineering companies are currently under enormous pressure: increasing demands on flexibility, productivity and availability are coupled with ever more complex safety requirements. That’s why modern automation needs safe, scalable solutions with communications capability. This is where EUCHNER comes in. Our innovative safety products can be seamlessly integrated for optimum protection of people, machines and processes.**

By combining robust safety components and IO-Link Safety, EUCHNER is opening up new possibilities for continuous, safe communication in automation, from control systems right through to sensors. Switches, guard-locking devices and door systems can be connected efficiently using a uniform, standardized interface, reducing planning and installation work significantly. The safe transmission of actuator and Electronic-Key data opens the door to completely new applications. What’s more, comprehensive diagnostic functions make troubleshooting easier and reduce maintenance work, which in turn increases machine availability.

**Networking without limits**

Machine and installation designs are evolving – and the MGB2 *Modular* is keeping pace. The fully modular safety door system can be flexibly adapted to changing requirements. Thanks to seamless integration into PROFINET, EtherCAT (P) and EtherNet/IP, the system can be designed for all standard control system architectures without the need for additional gateways. An integrated Ethernet switch reduces the amount of wiring work and simplifies the network topology. The MGB2 *Modular* offers access control, operation and signaling all in one device, is extremely robust (as low as -30 °C, IP65) and achieves the highest possible safety level (PL e / SIL3). It is ideal for modular production lines, line conversions and retrofit projects – to name just a few.

**Digital access control for smart factories**

Users who do not actively control access to machines risk improper operation, downtimes and safety gaps. The new Electronic-Key-System EKS2 offers central access management that is secure against tampering for networked production environments with variable roles and shift schedules. In combination with the new Electronic-Key-Manager EKM2 and the integrated database, the keys can be managed flexibly on a PC. Predefined templates, data encryption, hygienic IP69 design and direct PROFINET connection allow highly efficient integration of the electronic key system into existing automation solutions.

**Safety expertise**

Machine manufacturers and operators must comply with European directives, as well as national and international standards. EUCHNER’s Safety Services are on hand with professional solutions for customers worldwide, covering all aspects of machinery safety and the new Machinery Regulation. Our EUCHNER Academy also offers training for those wishing to qualify as a TÜV-Certified Expert in Operational Safety and Machinery Safety. There are another four training sessions in the second half of this year: [Trade fairs and events at a glance | EUCHNER](https://www.euchner.de/en-us/about-euchner/dates/)

**EUCHNER – More than safety.**

**Service for the editorial team:**

***Meta title:*** *EUCHNER: Industrial Safety for Smart Automation*

***Meta description:*** *EUCHNER’s innovative safety solutions now make protecting people and machines even easier.*

***Social media post:*** *EUCHNER’s portfolio now includes new and enhanced products that make the automation of machines and installations even safer: IO-Link Safety solutions, the EKS2 (the latest generation of the Electronic Key System), and the MGB2 Modular safety door system for EtherNet/IP with CIP Safety.*

**Pictures: Euchner GmbH + Co. KG**

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

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EUCHNER has combined its proven, robust safety components with the benefits of safe communication via IO-Link Safety.

**02-EUCHNER – MGB2 *Modular***

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The MGB2 *Modular* can be customized to suit all requirements and is now also available for EtherNet/IP / CIP Safety.

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

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Thanks to the EKS2, the latest generation of the Electronic-Key-System, users can easily manage and customize access to machines and their functions and secure against tampering.

**About EUCHNER GmbH + Co. KG**

*EUCHNER GmbH + Co. KG in Leinfelden is an international family-owned company and employs more than 900 people worldwide. There are 42 subsidiaries and distributors located around the world. The company’s managing director is Stefan Euchner. Switchgear has been developed at EUCHNER 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.com](http://www.euchner.com)

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