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# PRESS RELEASE

Leinfelden, August 2025

#### EUCHNER presents the Electronic-Key-System EKS2 at EMO

#### Selection of safe operating mode made simple

**“Innovate Manufacturing” is the theme of this year’s EMO in Hanover (September 22 to 26, 2025).** **True to this motto, EUCHNER will be presenting its innovative solutions for mechanical and systems engineering in Hall 6, Stand J11. The spotlight will be on the current generation of the Electronic-Key-System EKS2. By enabling safe selection of operating modes up to Performance Level e in compliance with standards, it makes integration into industrial control systems so much simpler.**

Thanks to the EKS2, users can easily manage and customize access to machines and their functions while ensuring they are secure against tampering. The complete system comprises a PROFINET-enabled evaluation unit that’s easy to install and a compact industrial read unit. It also features robust EKS2 keys in various colors and integrated data encryption. EUCHNER developed the system with clear objectives in mind: It should be easy to implement, operate, and adapt. The simplified integration of the operating mode selection with the touch panel is a particular highlight. Extensive programming work in the control system is now a thing of the past: the EKS2 enables rapid configuration and implementation thanks to safe evaluation of the operating mode selection in the device itself. The selected operating mode then only needs to be transferred to the control system via the integrated 1-of-n safety outputs. This way, the system enables the implementation of operating mode selection at the highest safety level up to Performance Level e. Personalized access rights for up to six operating modes can be assigned easily using the input masks and saved to the key. Current requirements such as security factors have been taken into consideration right from the start.

PROFINET is used to communicate the data to the control system. With an integrated RT switch, the system is even easier to integrate into existing network structures. The transponder technology MIFARE DESFire provides additional data security and protection against tampering. The advantages don’t stop there: using the Transponder Coding TC2 PC software and the Electronic-Key-Manager EKM2 in combination with the programming station allows users to individually write keys and flexibly manage rights.

Alongside the EKS2, EUCHNER will also be showcasing at EMO its MGB2 *Modular* with connection to all established fieldbus systems. The system secures access points in safety doors and fences protecting the danger areas of machines and installations, with reliable performance at temperatures as low as -30 °C. This gives users the maximum safety of category 4 / PL e / SIL3.

Other top features include the developments around IO-Link Safety that EUCHNER has now combined with its proven robust products. Users can reap the benefits of safe communication and a uniform interface for switches, guard locking devices and safety guard systems.

To top it off, EUCHNER Safety Services will be on hand at EMO to offer comprehensive advice and support to users in implementing safety solutions and the new machinery regulation in compliance with standards.

**EUCHNER at the EMO trade show: Hall 6, Stand J11**

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**EUCHNER – More than safety.**

**Service for the editorial team:**

***Meta title:*** *EUCHNER at EMO*

***Meta description:*** *The focus of EUCHNER’s presence at EMO will be the newest generation of the Electronic-Key-System EKS2, which greatly simplifies the integration of safe operating mode selection up to PL e.*

***Social media post:*** *“Innovate Manufacturing” is the theme of EMO 2025 and EUCHNER provides the technology to make it happen: In Hall 6, Stand J11, we’re showcasing how our new EKS2 enables easy and safe operating mode selection up to PL e without the need for complex programming. With preconfigured templates, encrypted data and an industrial design, the system makes safe, flexible access management nice and easy.*

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

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

**Ein Bild, das Text, Screenshot, Multimedia, Im Haus enthält.

KI-generierte Inhalte können fehlerhaft sein.**

EUCHNER’s EKS2 simplifies safe selection of operating modes.

**02-EUCHNER – MGB2 *Modular***

**Ein Bild, das Text, Screenshot enthält.

KI-generierte Inhalte können fehlerhaft sein.**

EUCHNER is expanding its successful MGB2 portfolio so users now have connection to all established fieldbus systems.

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

**Ein Bild, das Schwarzweiß enthält.

KI-generierte Inhalte können fehlerhaft sein.**

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

**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.de**](http://www.euchner.com)

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