



NEWS

2023

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EUCHNER

More than safety.



SAFETY SMART SAFETY

Smart safety solutions to meet custom requirements

Networked production and control operations call for innovative safety engineering offering communication capabilities and network support. Our pioneering safety switches and systems are perfect for all common fieldbus systems and for communicating via IO-Link and AS-i Safety at Work.

One device, many applications – the **CKS2** safe key system

Countless applications are at your fingertips with the CKS2 safe key system – without the need for laborious programming: simple machine and process starting and stopping, electronic authorization for multiple users and use as a key transfer system, to name just a few. Featuring integrated evaluation electronics, the compact CKS2 system is available for installation in machines and installations and as a submodule for use in the MGB2 *Modular* safety door system. Highly coded, transponder-based keys ensure the highest possible safety level. Connecting to IO-Link is easy thanks to the EUCHNER Gateways offering comprehensive diagnostic and communication functions.



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MGB2 Modular – new networking options for EtherCAT / FSoE and EtherCAT P / FSoE

EUCHNER is expanding the number of available connections to fieldbus protocols for its proven MGB2 *Modular* safety door system. Supplementing its products for PROFINET / PROFIsafe, EUCHNER is launching bus modules for EtherCAT / FSoE and EtherCAT P / FSoE. This development confirms EUCHNER's claim to a pioneering role in the sector of safety engineering for bus systems. These individual smart devices supply a variety of diagnostic data in the form of EtherCAT messages, such as status signals for door position, voltage or temperature. The integrated web server gives users a rapid, detailed overview of the status of the device whenever required.

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The key system for all things MGB2 – the submodule with CKS2

As an MSM-CKS2 submodule, this new key system enables seamless integration into all MGB2 products. This means even more diverse applications for EUCHNER's highly functional door locking system. Besides applications in complete turnkey installations, it offers attractive

new solutions for fully automated production lines and logistics systems. More than 1,000 different keys can be used thanks to the proven transponder technology and the high coding level. The CKS2's electronic operating principle lets you dispense with key exchange boxes and distribution stations. Applications are defined directly in the control system for unlimited flexibility.

► Available **now**

One fits all – the **CTS** as the new, compact power pack among guard locking devices

The CTS safety switch features an impressive locking force, a compact design and flexible mounting options. Measuring only 135 x 31 x 31 mm, the CTS provides a maximum locking force (Fmax) of 3,900 N. No matter whether the CTS is used for hinged or sliding doors or for extremely small door radii – three different switch mounting directions and a universal actuator with floating bearing ensure maximum versatility. An extendable escape release can be added at any time. This transponder-based safety switch with guard locking guarantees maximum safety because it meets all requirements for category 4 / PL e according to the EN ISO 13849-1 and EN ISO 14119 standards. With its new FlexFunction, the CTS combines in a single device multiple functions that are otherwise available only in separate variants.

► Available **now**



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The new **CTA** – robust safety switch for the harshest of conditions

The new safety switch CTA combines the proven principle of operation of electromechanical safety switches with guard locking and modern transponder-coded safety engineering. With its robust metal housing and a locking force of up to 8,000 N, the CTA is ideally suited to heavy doors and the harshest of environments. Thanks to the transponder technology, even a single CTA achieves category 4 / PL e according to EN ISO 13849-1 and meets all the requirements of EN ISO 14119. The high IP65 / IP67 / IP69 / IP69K degree of protection makes the CTA an all-rounder suitable for almost every industrial application. Industry 4.0 ready with the CTA: in addition to the intelligent communication features enabling users to connect up to 20 EUCHNER devices in series, the CTA can be connected to an IO-Link Gateway using a smart interface.

► Available **now**



- ▶ The compact **CTM guard locking device** secures small doors and flaps

Unbeatably compact, unbeatably smart and available in a wide range of variants – the **CTM** guard locking device

The CTM transponder-coded guard locking device provides process and personnel protection in the smallest of spaces. With a locking force of 1,000 N and an innovative ball actuator supported on an elastomer bearing, the switch can be used to safeguard doors with extremely small pivoting radii. The CTM guarantees the highest degree of protection IP69 and is available as a hygienic version. Anybody can find the right solution among the wealth of product variants and interfaces available. The new open-circuit current versions of the CTM are suitable for conventional wiring and for use with AS-Interface. The CTM with guard locking control via IO-Link communication using an EUCHNER IO-Link Gateway is available specially for use on large installations with many doors.

- ▶ Available **now**



- ▶ The **IO-Link Gateway GWY-CB** transfers relevant data to the control system

Industry 4.0 ready – diagnostic data via IO-Link with the **GWY-CB** IO-Link Gateway

All new smart safety solutions from EUCHNER can communicate via IO-Link as standard. We now have yet another solution for connecting safety switches for communication at Industry 4.0 level with the IO-Link Gateway GWY-CB. The 12.5 mm wide slimline GWY-CB is an IO-Link device that can read relevant sensor and device data from intelligent safety switches – such as the compact CTS, CTM, CTA and CTP guard locking devices, the CES-C07 interlocking device and the new CKS2 key system – and can transfer this data to the higher-level control system via IO-Link. This includes information about the devices' current system status (status signals, such as the door position) and acyclical data (the ambient conditions, for example). What's more, it requires only minimal wiring work.

- ▶ Available **now**



Knowledge for safety's sake – the **EUCHNER ACADEMY**

Manufacturers and operating organizations can find a wide range of training courses at the EUCHNER Academy. Specialist instructors present the latest aspects and solution approaches for machinery safety at in-person events held throughout Germany. The training courses teach you about the relevant statutory requirements. You learn how to solve your safety challenges, close safety gaps and keep your installations up to date with the latest in safety engineering.

EUCHNER Safety Engineering

EUCHNER Safety Services is expanding its range of services with Safety Engineering – a team of safety experts specializing in all facets of machinery design and conversion. As a general contractor, we support you from project planning through to implementation and setup on site.

EUCHNER Safety Inspection

To round off its machinery safety portfolio, EUCHNER Safety Services can test your machines and installations and inspect electro-sensitive protective equipment (ESPE). We support you throughout the service life of your machines, assisting with acceptance tests on machines from the manufacturer or periodic inspections according to occupational health and safety regulations. You are always on the safe side with EUCHNER.

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