

NEWS

2021 | 2022



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EUCHNER

More than safety.



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One fits all – the new **CTS**

The safety switch CTS expands the EUCHNER product range between the CTP all-round talent and the CTM specialist, combining the best of both worlds while offering maximum flexibility. Compact dimensions (135 x 31 x 31 mm) combined with a high locking force of F_{max} 3,900 N enable universal use. The CTS can be mounted in three orientations, permitting flexible application. This versatility is rounded off by the retrofittable escape release. The innovative safety switch CTS is EUCHNER's first FlexFunction device. In addition to featuring the proven benefits of conventional transponder-coded EUCHNER safety switches with guard locking, the CTS combines in a single switch all the options otherwise available only in different variants.

► Available from **winter 2022**

One device – many options. The safe key system **CKS2**

In combination with highly coded, transponder-based keys, the key adapter CKS2 forms a safe system that meets the highest safety requirements for machine and installation lockout and starting. Depending on the key, various applications are possible with the CKS2 system. Thanks to the integrated evaluation electronics, the compact CKS2 system can solve many tasks for you. Combining it with the EUCHNER IO-Link Gateways expands the applications and enables comprehensive diagnostic and communication functions. Proven transponder technology and the use of keys with a high coding level provide maximum safety.

► Available from **summer 2022**



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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. 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. 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. Industry 4.0 ready with the CTA: in addition to the intelligent communication features that enable 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 right solution for any requirement – the guard locking device **CTM**

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 the 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**

MGB2 Modular – EtherCAT P with FSoE

The compact MBM bus module is now available for connection to EtherCAT and EtherCAT P as well. This means that all functions of the safety door system MGB2 *Modular* are now available for the EtherCAT P too. This achievement confirms EUCHNER's claim to a pioneering role in the sector of safety engineering for bus systems. The comprehensive diagnostic functions in the form of EtherCAT messages and the integrated web server provide a fast and detailed overview of the device status. Due to the ease with which parameters can be set, even replacing the module for servicing is a simple matter and takes no more than a few minutes.

► Available **now**



Larger range of applications for door locking systems MGB2 with the new **CKS2 submodule**

The new submodule MSM-CKS2 can be seamlessly integrated into the world of EUCHNER door locking systems MGB2, considerably expanding the range of applications with its innovative functions. The submodule is available for all MGB2 variants. More than 1,000 different keys can

be used thanks to the proven transponder technology and the high coding level. The CKS2 submodule is perfect for use in fully automated logistics systems or complete turn-key installations. The electronic principle of operation eliminates the need for key exchange boxes and key distribution stations. Applications are defined directly in the control system for unlimited flexibility.

► Available from **fall 2022**

Diagnostic data via IO-Link with the IO-Link Gateway **GWY-CB**

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 key system CKS2 – 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**



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



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IO-Link

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



Knowledge for safety's sake – the EUCHNER Academy

The EUCHNER Academy opened early this year with a wide range of courses for manufacturers and operating organizations. Specialist instructors present the latest aspects and solution approaches for machinery 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 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 can support you from project planning through to implementation and setup on site.

EUCHNER Safety Inspection

To round off its machinery safety portfolio, EUCHNER can test your machines and installations and inspect electro-sensitive protective equipment (ESPE). We support you over the entire 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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