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**NEWS**

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**EUCHNER**

More than safety.

# 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 switch has high degree of protection IP65 / IP67 / IP69 / IP69K, guaranteeing **maximum safety**. 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. **Be 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 from **April 2021**

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# The New **CTM** Guard Locking Device: The Best Things Come in Small Packages

The new transponder-coded guard locking device CTM provides **process and personnel protection in the smallest of spaces**. At only 120 x 36 x 25 mm in size, the switch is especially easy to integrate into the machine design. The innovative ball actuator supported on an elastomer bearing can secure **doors with extremely small pivoting radii**. The CTM guarantees the highest degree of protection IP69 and is available as a hygienic version. Thanks to its different product variants and interfaces, the CTM offers the right solution for every user and is well-suited to **Industry 4.0 applications**. The new device features many benefits that make it ideal for a wide range of industries, including tool and packaging machinery, pharmaceutical and food, and plastics processing.

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



 **IO-Link**

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

# Diagnostic Data via IO-Link with the New Gateway **GWY-CB**

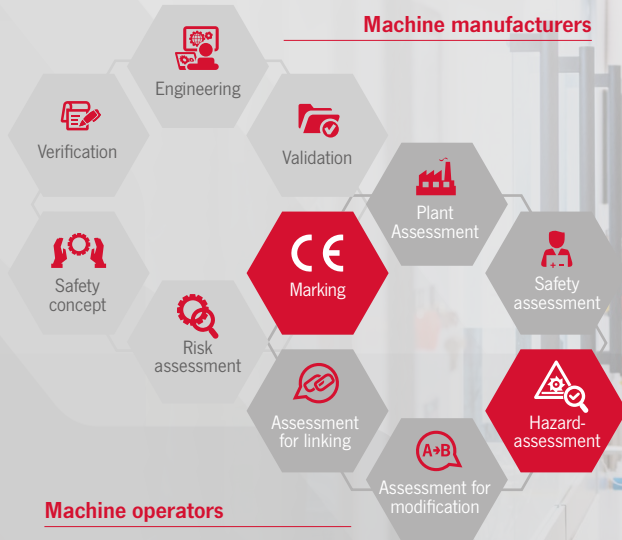
We now have yet another solution for connecting safety switches for **communication at Industry 4.0 level thanks to the new BR/IO-Link Gateway GWY-CB**. The 12.5 mm wide slimline GWY-CB is an **IO-Link device** that **can read relevant sensor and device data** from intelligent safety switches – such as the compact guard locking device CTM, the new safety switch CTA and the interlocking device CES-C07 – and can transfer this data to the higher-level control system via IO-Link. The data includes information relating to the system state, acyclic data such as the ambient conditions, and device data such as sensor type and version number. The wiring work is minimal.

## EUCHNER Safety Services

# Comprehensive Services for Machinery Safety

EUCHNER is expanding its **machinery safety services** to meet the ever-increasing demand from machine manufacturers and operators for consulting and advice. You can rest assured that EUCHNER Safety Services will provide you with professional support throughout all machine and installation life cycles. The expansion of its **engineering services** will now allow our experienced team to support you as a complete service provider. Alongside design and planning, these services will also encompass the implementation and integration of safety solutions. Machine operators in particular will benefit from this **comprehensive service for their conversions, integration and retrofitting**.

## Machine manufacturers



# The New Extension Module **MCM**: Compact, Scalable and Powerful

A new, **compact extension module** is now available for the safety door system MGB2 *Modular*. The MCM has two slots, meaning it can be assembled with up to **six control or connection elements**, for instance with an emergency stop button and enabling switch or with a key-operated rotary switch. Our extension module has many standout benefits. For example, the submodules with the function elements are simply inserted into the extension modules via a **hot-plug** and need only minimal configuration before they are ready for operation. The MCM can be installed separately from the MGB2 locking module and bus module, meaning machine manufacturers, integrators and users can enjoy maximum flexibility during setup. You can also use it in combination with the bus module without a locking module or door handle to suit your individual needs.



▶ Extension module **MCM**





► **MSM** for connecting external safety switches

## Decentralized Peripheral as Plug and Play with Two New Submodules **MSM**

The new submodules MSM allow you to use an extension module for the safety door system MGB2 *Modular* **as a decentralized peripheral** for connecting external safety switches without difficulty. The submodules have **three dual-channel digital inputs**. While one of the submodules can record the signal states of up to three **electromechanical safety switches** using fail-safe inputs, the other submodule offers the same function for EUCHNER safety switches **with OSSD outputs**. The extension module transmits the signals to the control system via the MGB2 bus module using Profinet. The new MSM submodules are hot-pluggable and need only minimal configuration before they are ready for use.

## CEM-C60 – Modular Magnetic Guard Locking Device for Process Protection

The new CEM-C60 is a guard locking device for **process protection whose modular design gives you freedom in choosing your safety switch and a suitable connection variant.** A guard locking solenoid is combined with a CES-C04 or CES-C07 safety switch for reliable detection of the door position. The safety switch is mounted on the guard locking solenoid. The guard locking prevents the safety door from being opened unintentionally. An integrated permanent magnet with an adhesive force of 30 N keeps the door closed when the solenoid is not being controlled. An actuator with a spring-mounted anchor plate serves as a mating component; the anchor plate can be tilted up to an angle of  $\pm 4^\circ$ , which means it adapts to the surface of the CEM guard locking solenoid when the door closes.



# EUCHNER Media Library

Have you visited our media library? Our **videos and animations** give you a fascinating insight into the many different applications and industries that use our safety solutions. The library also has explanatory videos to help you set up our products.

Fancy staying up to date with our latest news and events? Subscribe to our **newsletter** and follow us on social media!



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