

SAFE LOCKOUT, SAFE STARTING

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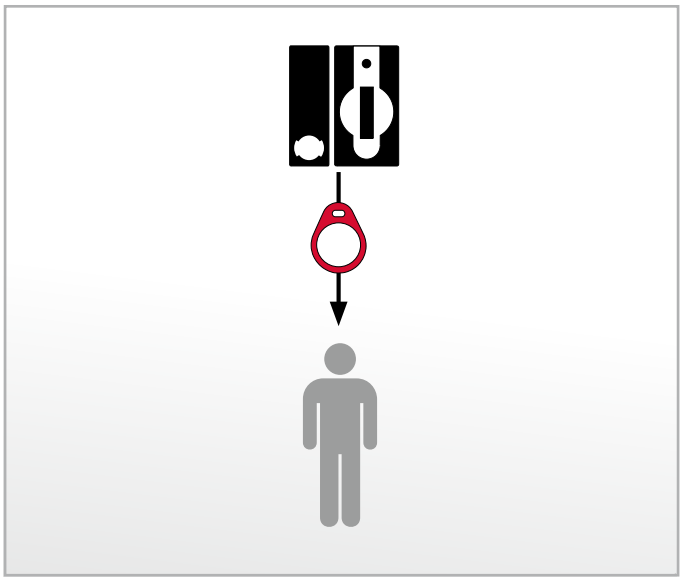
SAFE KEY SYSTEM CKS2

EUCHNER

More than safety.

SIMPLE. SAFE. 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. Thanks to the integrated evaluation electronics, the CKS2 system offers a solution for many different applications.



SAFE LOCKOUT SYSTEM

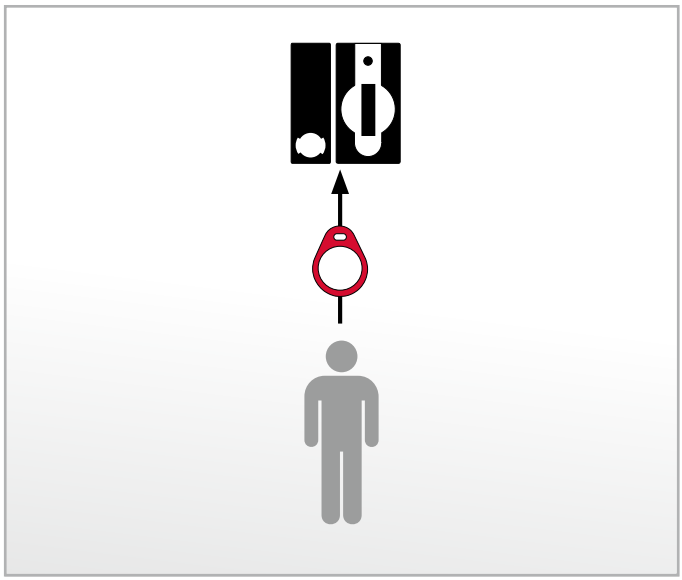
Stopping the installation

Stopping the installation to access a dangerous area.
The installation cannot be started without a key.

- Maintenance and service
- Material loading

BENEFITS FOR YOU

- No mechanical wear
- Flexible combination with EUCHNER guard locking devices
- Safe restart lockout up to Cat. 4 / PL e



UNIQUE LOCKING SAFE KEY SYSTEM

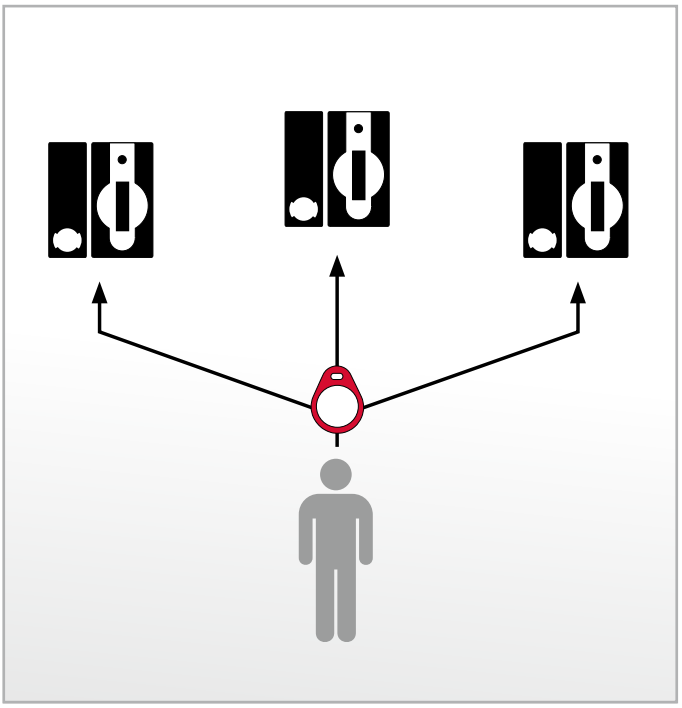
Starting a defined sequence

Simple authorization assignment for starting a defined process sequence.

- Manual mode
- Maintenance

BENEFITS FOR YOU

- No need for complex programming
- Uncomplicated key management



IDENTICAL LOCKING SAFE KEY SYSTEM

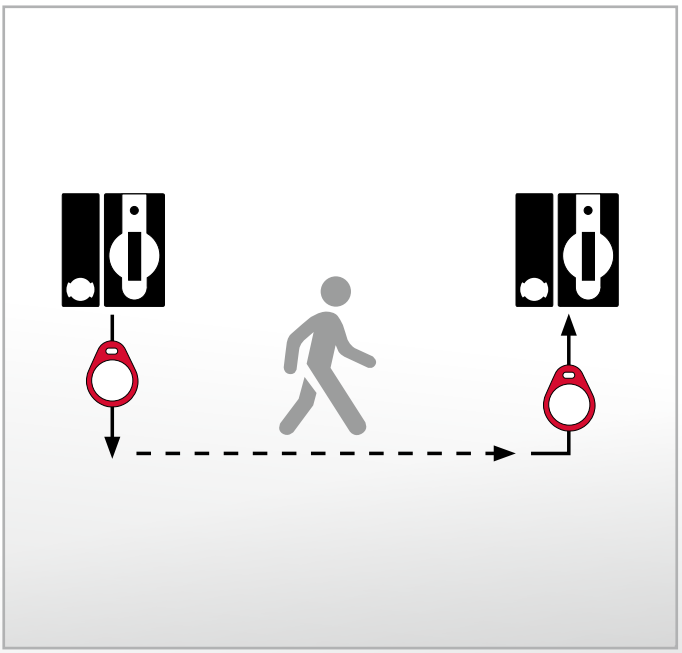
Starting sequences in different installation areas

Simple authorization assignment for starting specific process sequences in different installation areas.

- Manual mode for service, setup, etc.
- Material loading

BENEFITS FOR YOU

- Simple authorization assignment thanks to teach-in operation
- One key for several base devices



KEY TRANSFER SYSTEM

Stopping the installation | Starting a defined sequence

The key is removed to stop the installation and inserted within the installation to start a defined sequence.

- Service and maintenance
- For passage areas

BENEFITS FOR YOU

- No key exchange box or distribution station required
- Flexible and easily expandable
- Safe up to Cat. 4 / PL e

CKS2 IN DETAIL

ONE SYSTEM, MANY DESIGNS

There is a perfect design to suit every application, whether it be installation in control panels, in a separate housing or directly in the MGB2 locking module.

All of the designs use the same key. The signals are transmitted as standard outputs or using the bus module MBM via PROFINET / PROFIsafe, EtherCAT / FSoE or EtherNet/IP / CIP Safety.

BENEFITS FOR YOU

- Rapid setup with the aid of automatic key checking without the need for complex programming
- Simple handling thanks to direct teach-in of the key at the key adapter
- Applications can be freely defined directly in the control system, enabling maximum flexibility
- Reduced hardware costs without key boxes or key distribution stations
- Simple planning and configuration along with minimal administration
- High scalability with up to 65,000 different key codings
- Proven transponder technology and high level of coding ensure reliable safety
- Efficient key management without complex administration structures
- Simple diagnostics by means of RGB LED



MSM-CKS2 *MODULAR*

- For MGB2 *Modular* locking modules and MCM *Modular* contact expansions
- Data transfer via the network
- Additional freely controllable LEDs (red, green, yellow)
- Optionally with emergency stop, pushbutton, key-operated rotary switch or selector switch





MSM-CKS2 *CLASSIC*

- For MGB2 *Classic* locking modules or independent MCM-X housing
- OSSD outputs
- Easy mounting on the guard
- Additional freely controllable LEDs (red, green, yellow)
- Optionally with pushbutton



CKS2 COMPACT

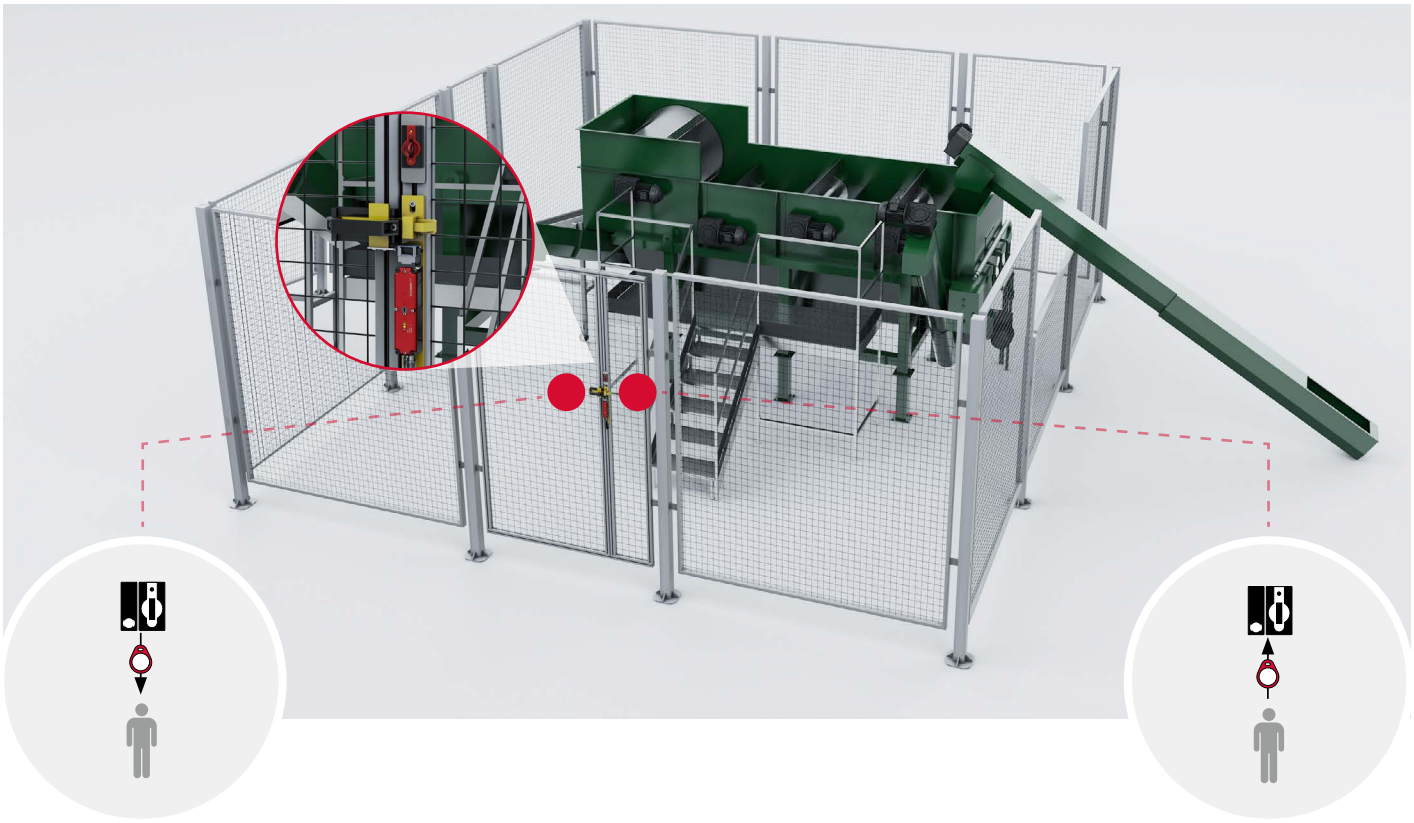
- Compact, robust design for space-saving mounting in the control panel
- OSSD outputs
- Proven mechanical detent mechanism
- Cover available in various key colors



CKS2 KEY

- Transponder coded with high coding level for maximum protection against tampering
- Either a single key with a unique coding or multiple keys with the same coding in one packaging unit
- Different key colors available

APPLICATION EXAMPLES



CKS2 AS LOCKOUT SYSTEM

- The installation can be started only when the key is inserted.

1. The machine is stopped and the key is withdrawn for safe access to the installation. Only than can the door be opened.
2. The door is closed after the work in the installation interior has been completed. The safety switch locks the door only when the key is inserted.

- With this application, all operators can withdraw the key and access the installation.

CKS2 AS AUTHORIZATION SYSTEM

- The installation runs in automatic mode when a key is not inserted.

1. The key is inserted in order to activate a special installation function.
2. As soon as the key is withdrawn, the special installation function is deactivated.

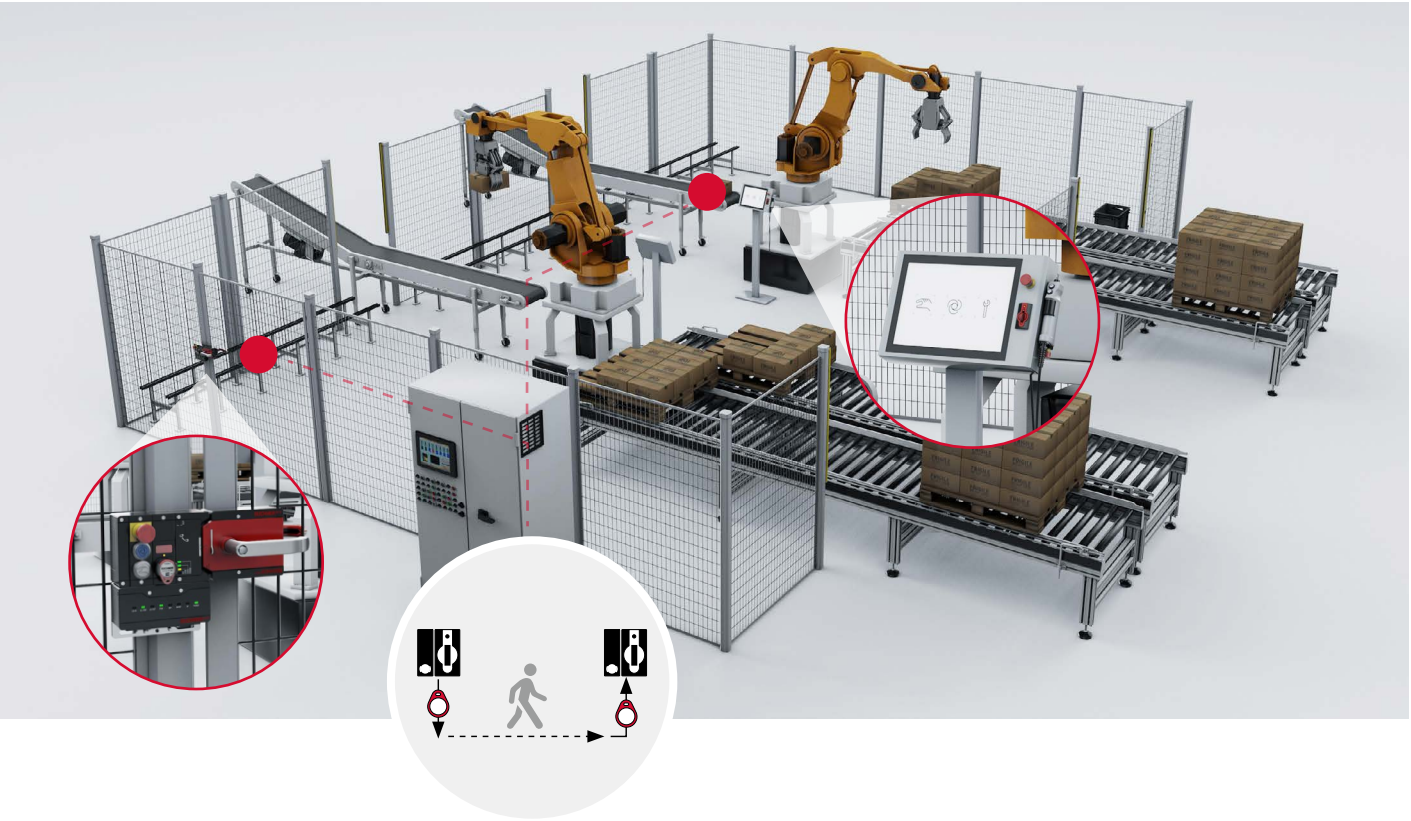
- The key is not publicly accessible in this application. It is handed over to an authorized person instead.

POSSIBLE COMBINATIONS

- As a submodule in a MGB2 locking module with pushbutton for starting or stopping the machine
- As a compact device with a BP/BR safety switch
- Several CKS2 devices connected in series if several persons work in the installation at the same time

YOUR BENEFITS

- Direct teach-in of the key at the key adapter
- Can be expanded to form a key transfer system
- A lost key can simply be replaced, the lost key will be blocked



CKS2 AS KEY TRANSFER SYSTEM

The installation can be started only when the key is inserted.

1. The machine is stopped and the key is withdrawn for safe access to the installation. Only then can the door be opened.
2. The installation interior can be accessed. The safety door is closed from the inside and locked.
3. The key is inserted at the machine inside the installation. Only a manual mode can be started.
4. The key is withdrawn after the work in the installation interior has been completed. The installation is safely stopped during return travel.
5. The inner installation area is exited via an escape release, the door is closed and the key is inserted.

The door is safely locked, and the machine can be started.

POSSIBLE COMBINATIONS

- As a submodule in an MGB2 locking module with pushbutton for starting or stopping the machine
- As a compact device in combination with a safety switch with BP/BR technology
- For securing local control stations inside the installation

YOUR BENEFITS

- The safety outputs are evaluated by the control system and the installation is safely stopped
- One key can be taught-in and used on several key adapters
- Each safety door can be secured with exactly one key

A CLOSE WORKING RELATIONSHIP – LITERALLY!



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EUCHNER GmbH + Co. KG
Kohlhammerstraße 16
70771 Leinfelden-Echterdingen | Germany
Tel. +49 711 7597-0 | info@euchner.de
www.euchner.com

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