



EUCHNER

More than safety.

Product Flyer

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RFID based Non-Guard Locking

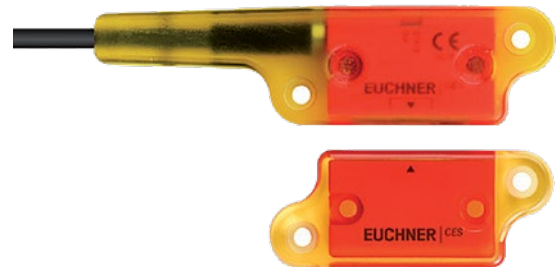
CES-C07

- Maximum Safety Category 4/PL e
- Two safety OSSD outputs, pulsed for short circuit monitoring
- High coded or low coded
- Eight mounting positions/twenty-four approach directions
- Single device operation or up to 20 can be wired in series
- Diagnostic information via IO-Link
- Protection up to IP96



CES-C14

- CES-C04 RFID safety switch and actuator encapsulated in epoxy resin
- Maximum safety Category 4/PL e
- Extremely chemical resistant
- Suitable for food industry applications
- Tested for material resistance in accordance with ECOLAB specifications
- Protection up to IP69
- High-quality PUR cable sheathing



CES-C01/CES-C02/CES-C04

- Maximum safety Category 4/PL e
- Three housing styles
- Two safety OSSD outputs, pulsed for short circuit monitoring
- High-coded or low-coded
- Five to eight mounting positions
- Large operating range and center offset
- Vibration resistant
- Variety of connection options
- Ease of mounting on profile rails



CKS2 Safety Key System ****NEW****

- Maximum safety Category 4/PL e
- Euchner's electronic intelligent "trapped-key" system
- RFID based technology with integrated evaluation electronics
- High coding level keys provide maximum protection against tampering
- Can be used as a single-key or multi-key authorization system or key transfer system
- No key exchange box or distribution station required
- Standalone version or available as a submodule for the MGB2 Modular
- FlexFunction device with keys available in different packaging units
- Lost key can easily be replaced by teaching a new key code. The lost key will be deactivated



RFID based Guard Locking

CET

- Robust switch with ramp for use on large, heavy doors
- Very high guard-locking force of up to 6500N
- All metal housing
- Head can be rotated in 90-degree steps
- Pivoting actuator design with high degree of freedom
- Double-head ramp is available
- Power to unlock and power to lock versions
- Door monitoring outputs available
- Single device operation or up to 20 can be wired in series
- High-coded and low-coded versions
- Variety of connection options



CTM

- Maximum safety Category 4/PL e
- Compact switch dimensions with a guard-locking force of up to 1300N
- Ideally suited for small or lightweight doors
- Bistable, power to lock, and FlexFunction versions
- Single device operation or can be wired in series
- Ideal for applications not requiring full body access
- Industry 4.0 ready
- Version available with control of guard-locking via IO-Link
- Hygienic version (IP69) available approved for food industry



CTS ****NEW****

- Maximum safety Category 4/PL e
- Compact switch dimensions with a high guard locking force of up to 3900N
- FlexFunction device: the safety switch is configured by the actuator
- Guard lock monitoring and coding level is based on actuator selection
- Clear diagnostics via RGB LED
- Industry 4.0 ready
- Power to unlock and power to lock versions
- Single device operation or up to 20 can be wired in series



CEM

- Maximum safety Category 4/PL e
- Safety switch with solenoid electro-holding magnet guard-locking
- Locking force of 600N/650N
- For process protection applications
- Ideal for doors with misalignment
- Single device operation or can be wired in series
- Versions with magnetic force available to hold the door closed in the unlocked state
- CEM-C60 offers a new modular concept by incorporating the use of either Euchner's CES-C07 or CES-C04 as the RFID safety switch



CTP/CTA

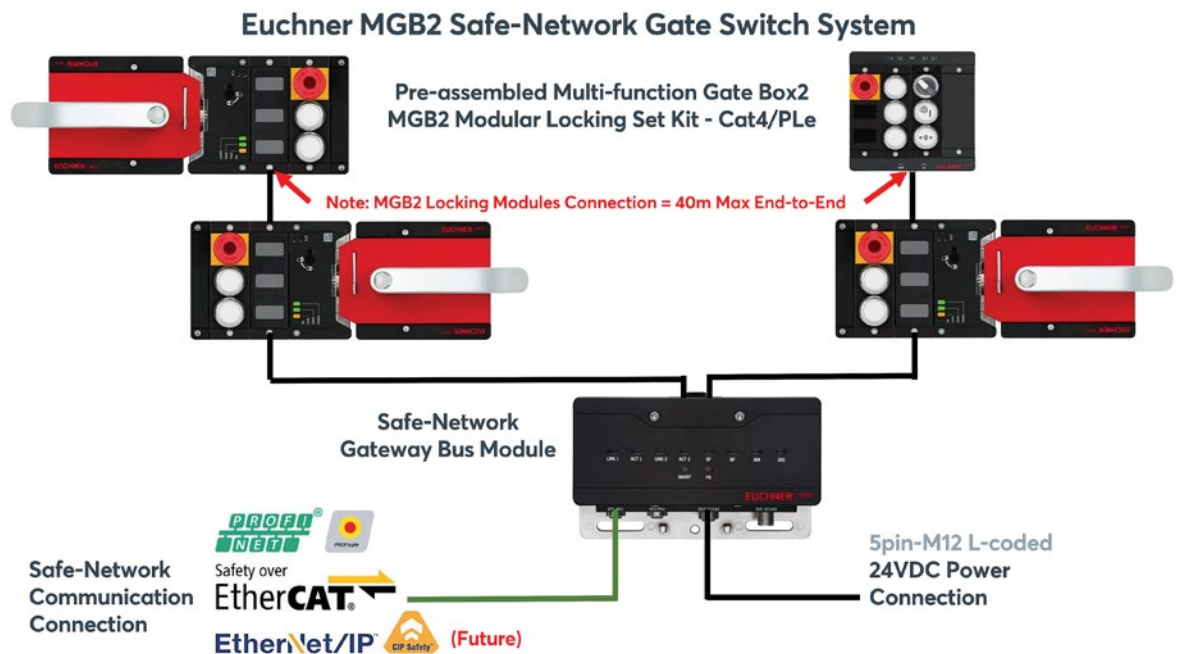
- Safety switch with guard locking and safe guard-lock monitoring
- Locking force up to 3900N (CTP) and 8000N (CTA)
- CTP has metal head and plastic body. CTA has all metal housing
- Mounting compatible with Euchner safety switches TP, STP, and STA
- Power to unlock, power to lock, and bistable versions
- High coded and low coded versions
- Versions with escape release (CTP). CTA has a field-installable escape release for additional flexibility
- CTP has stainless steel option and versions with control elements on board (CTP Extended)



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Multifunctional Gate Box Family

- Maximum safety Category 4/PL e
- Incorporates safety interlock, door handle, and control panel
- For use on right hinged/left hinged and sliding doors
- Ideal for fencing or steel frame doors
- Interlocking or guard-locking system
- 2000N locking force
- Integrated mechanical door stop and alignment guide
- Optional escape release with door handle
- Intelligent bolt tongue
- Lockout mechanism accepts up to six full-size padlocks
- Cable entry or plug connector options
- Versions available for direct connection to network based fieldbus systems
- MGB2 adds modularity for maximum flexibility
- MGB2 Modular Bus Module supports up to six doors
- MGBS Slimline is ideal for tight spaces and safety fence corner posts



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ESM Safety Relays

- Maximum safety Category 4/PL e
- Versions with input voltage ranges of 24VAC/DC, 115VAC, or 230VAC
- Single channel or dual channel control
- Manual or automatic starting with or without feedback
- Short circuit and earth/ground fault monitoring
- Up to 7 redundant safety contacts and 4 auxiliary contacts
- Time delay versions available adjustable between 1 and 30 seconds
- Expansion relay modules available
- Models with spring clamp terminals option
- Two hand anti-tie down control relay meeting requirement level IIIC



MSC Safety Controller

- Maximum safety Category 4/PL e
- Connection of a large variety of safety related devices
- Standalone base unit capable of 8 safe inputs and 2 safe outputs with a housing width of only 22.5mm
- Multiple I/O expansion module options including safety relay contact outputs
- Easily expandable up to a maximum of 14 expansion units, 128 inputs, 30 dual-channel safe outputs, and 48 monitoring outputs
- Memory module for immediate configuration available
- The easy to use and free of charge "EUCHNER Safety Designer" software provides a graphical programming interface
- Network monitoring communication fieldbus modules consisting of; Ethernet/IP, PROFINET, EtherCAT, Modbus RTU, Modbus TCP/IP, CANopen, DeviceNet, and USB available



EKS (Electronic Key System)

- Integrated solution for managing access control (who is allowed to access what) and access levels (what is the user allowed to do?)
- Variety of possible applications in all sectors due to industrial housings
- Safely controlled access to processes
- Automatic logging in and out by Electronic-Key placement
- Increased product quality due to controlled manufacturing
- High installation reliability resulting in lower production costs
- Data storage and traceability of events
- EKS Light offers a 4-bit parallel interface for direct connection to a control system
- Ethernet TCP/IP, PROFINET, USB, and Serial interface network based versions available
- IP69 Modular versions for hygienically sensitive areas
- FSA versions with second, redundant channel used for functional safety applications



Enabling Switches

- Ergonomic design
- Wide variety of configurations
- Tactile and optical feedback
- Single-hand operation
- Multifunctional due to different versions
- Key-operated rotary switch
- Stop command device
- Mini joystick
- LED displays, etc.
- 3-stage enabling switch
- Feedback in the enabling position



Hand-Held Pendant Stations and Handwheels

- Easier and simpler machine operation
- Degree of protection IP65 according to EN 60529
- Handwheel, 100 pulses, wear-free magnetic detent mechanism
- 2 pushbuttons, 2-stage, 1 NO contact each, e.g. for enabling function
- Tamper-proof EMERGENCY STOP device according to EN ISO 13850, dual-channel
- 3 membrane pushbuttons, 1 NO contact each



Coded Magnets

- In combination with evaluation unit CMS-E-AR
- Cube-shaped version, 88 x 25 mm
- NO contacts wired in parallel
- Connecting cable
- Cable type: PVC



Emergency stop devices

E-Stops

- Avert an impending hazard for personnel
- Avert damage to machine or work in progress
- Alleviate existing hazards
- Per EN ISO 13850
- Button head, red, 40 mm
- Contact block monitoring
- Reset by pulling or turning
- Housing
- Illuminated



Rope Pull Switches

- Metal housing
- Emergency stop device with detent mechanism as per EN ISO 13850 and EN 60947-5-5
- Thimble for pull wire
- Indication of correct rope tension
- 3 cable entries M20 x 1.5
- Switching elements with 4 switching contacts

