

ESC-SFT Handles with Built-in Safety Switch

Enhancing Protection Safety for Staff and Machinery



The new Elesa+Ganter handles with built-in safety switch are designed to provide superior protection for staff and ensure the safe operation of machinery.

Features and Applications

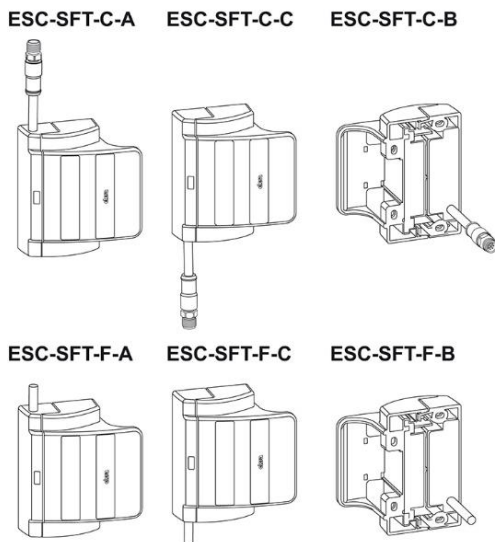
The ESC-SFT handle is a state-of-the-art coded sensor with redundant channels, ideal for use in safety circuits that monitor the status of guards on machinery. In combination with a certified control logic, the handle activates, in the event of accidental opening of doors, casings, or protective covers, the interruption of the machinery's power circuit, ensuring immediate safety.

Functioning

The safety system is composed of a control unit and a handle, which operates in specific configurations. The handle contains reed contacts activated by coded magnets, while the safety control unit converts this information and communicates the state of protections to the control system via a safety output. The safe state is defined when the handle is away from its activation magnet.

Main advantages

- **Staff Protection:** The handle incorporates a magnetic sensor and a coded magnet actuator, ensuring reliable switching of contacts and closure of safety outputs. A green LED indicator confirms when the handle is securely closed.
- **Compliance:** Classified as a low coding level type 4 magnetic interlock device in accordance with EN14119, the ESC-SFT handle supports system architectures up to SIL3 (IEC 62061) or category 4 - PLe (EN ISO 13849-1).
- **Snap Lock:** The mechanical coupling system keeps doors securely closed, requiring an opening force of approximately 2 kg.
- **Self-Centring:** The handle's mechanical self-centring system compensates for door misalignment or bending, making it suitable for both sliding and swing doors.



Standard executions

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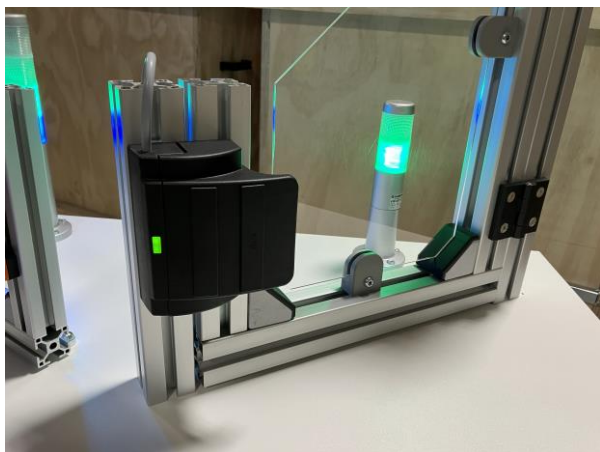
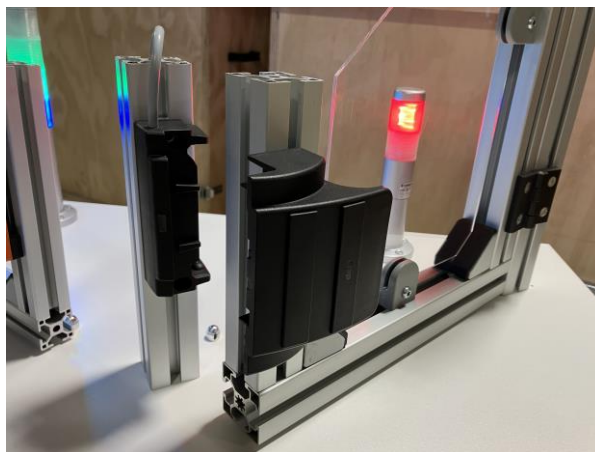


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**CN-SFT Safety Control Unit**

The CN-SFT safety control unit is designed for category 3 and 4, able of monitoring the status of two contacts (safety Reed magnetic sensors, emergency buttons, mechanical safety switches, safety interlocks for mobile guards). The unit activates the output by pressing and releasing the START button (reset) only under specific conditions, ensuring a safe situation by maintaining open safe outputs even after contact switching.

The control unit can be used also with CFSW and CFSQ hinges or M.2000-SWM handles.

*Door closed**Door open***Contact:**

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