

July 18, 2017

**Statement from NA 060-48-02 AA
(national mirror committee for ISO 13850 standard)**

**Emergency stop devices with protective collar may be used
in accordance with DIN EN ISO 13850:2016 (ISO 13850:2015)**

(replaces version from 2016-01-11 and 2016-12-13)

Section 4.5 of DIN EN ISO 13850:2016 describes the requirements with regard to preventing unintentional triggering of an emergency stop device.

In particular, the following aspects must be taken into account:

- In this context, the use of an emergency stop device with protective collar represents a possible precautionary measure.
- The spatial arrangement, the selected type of emergency stop device and its size and shape.
- The shape of the protective collar must be designed such that activation using the “palm of the hand” *) is possible at any time and without any danger of injury.
- It must be assessed whether unintentional activation of the respective emergency stop device is to be expected (examples include: an emergency stop device in a heavily frequented area; confined spaces; portable machines).

The standard does not contain a general ban on using an emergency stop device with protective collar.

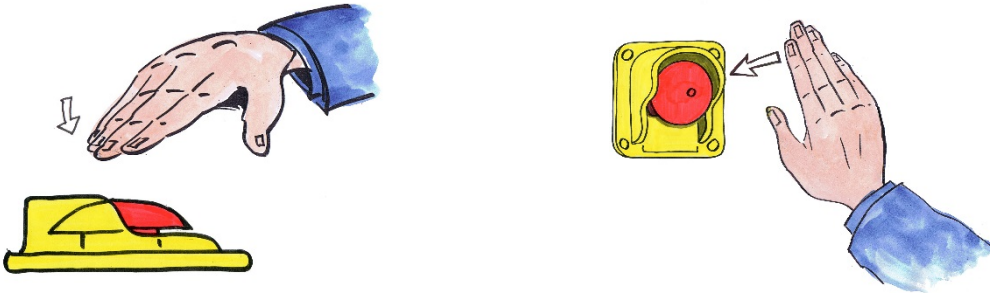
This implies that, depending on the specific application, control panels (or control stations) may be equipped with an emergency stop device with protective collar.

*) German translation of the English term "palm of the hand" by DIN.

On the basis of the international discussions within the working group ISO/TC 199/WG 8, the German mirror committee understands the term “palm of the hand” also parts thereof, e.g. Hand balls or even several fingers (see page 2 “Schematic presentation of types of operation”).

Schematic presentation of types of operation

The protective collar must not prevent the following types of actuation regardless of its geometry.



Actuation with the fingers



Actuation with the hand clench



Actuation with the palm of the hand



Actuation with the hand edge

Actuation with the fist