# Control and signalling units for safety applications

Emergency stop trip wire switches, type XY2 C

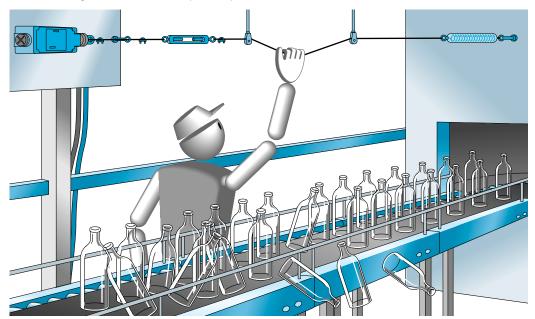
### Presentation

### Emergency stop trip wire switches

Emergency stop trip wire switches are designed to:

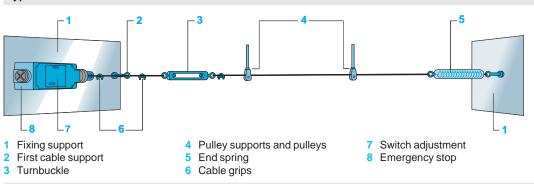
- avert hazards (dangerous phenomena) at the earliest possible moment, or to reduce risks which could cause injury to persons or damage either to machines or work in progress,
- be tripped by a single human action when a normal Emergency stop function is not available,
- trip in the event of the trip wire breaking.

Emergency stop trip wire switches are essential in premises and on machines that are potentially dangerous when in operation. The operator must be able to trigger the stop instruction at any point within their working area. **Application examples:** woodworking machines, shears, conveyor systems, transfer machines, printing machines, textile machines, rolling mills, test laboratories, paint shops, surface treatment works.



## Installation

**Typical installation** 



#### Notes regarding installation

- All XY2 CH/CE/CB trip wire switches can be fitted with a pilot light to indicate their tripped condition.
- Cable tension adjustment can be performed using:
- □ a turnbuckle (to be ordered separately, see page 38145/7),
- □ a tensioner (integrated in certain XY2 CH models, see page 38145/5).
- This adjustment is simplified by:
- □ a cable tension indicator that is available on all models XY2 CH,

□ the availability of versions with a "cable tension indicator" window by stating its reference on the order form (see page 38145/5). Example: reference XY2 CE1A250 becomes XY2 CE1D250.

The use of an end spring is strongly advised for conveyor system applications to ensure operation of the Emergency stop in the event of the cable being pulled towards the switch.

■ It is essential that pulleys be used with trip wires that deviate from a straight run, i.e. angled to form a protected zone.

Important: switches XY2 CB must not be used if the installation requires that the trip wire be angled.

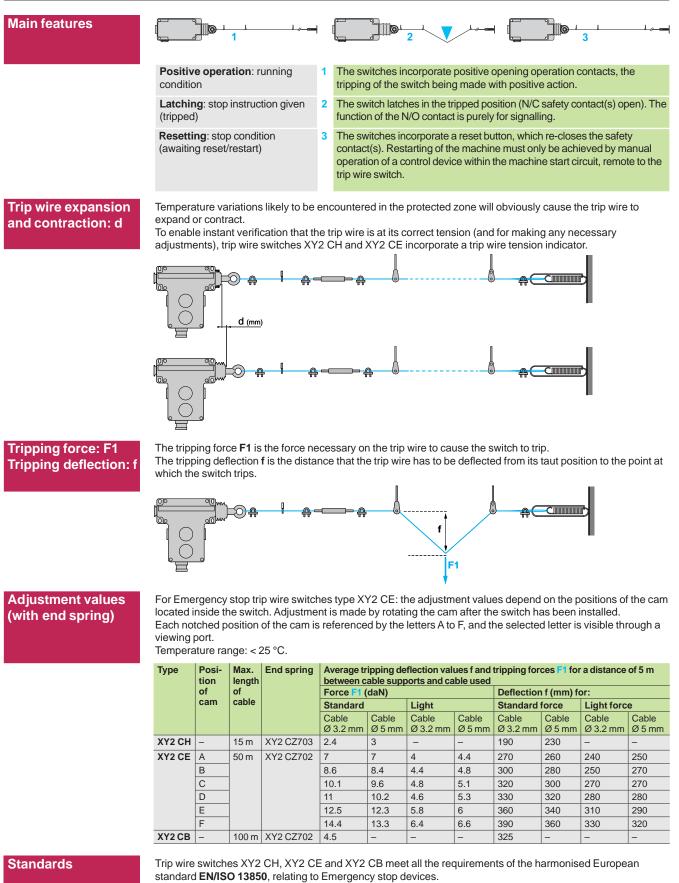
Switches XY2 CH and XY2 CE can be used if the installation requires that the trip wire be angled. In this case, the total sum of the angles through which the trip wire bends must not exceed 180° (For further information on instructions to be adhered to, please refer to the installation manual).

Characteristics: page 38145/2		References: page 38145/3	Dimensions: page 38145/9		
2			Schneider Electric	version: 10.2	38148-EN.indd

# General (continued)

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All the trip wire switches are C€ marked and supplied with an EC declaration of conformity.