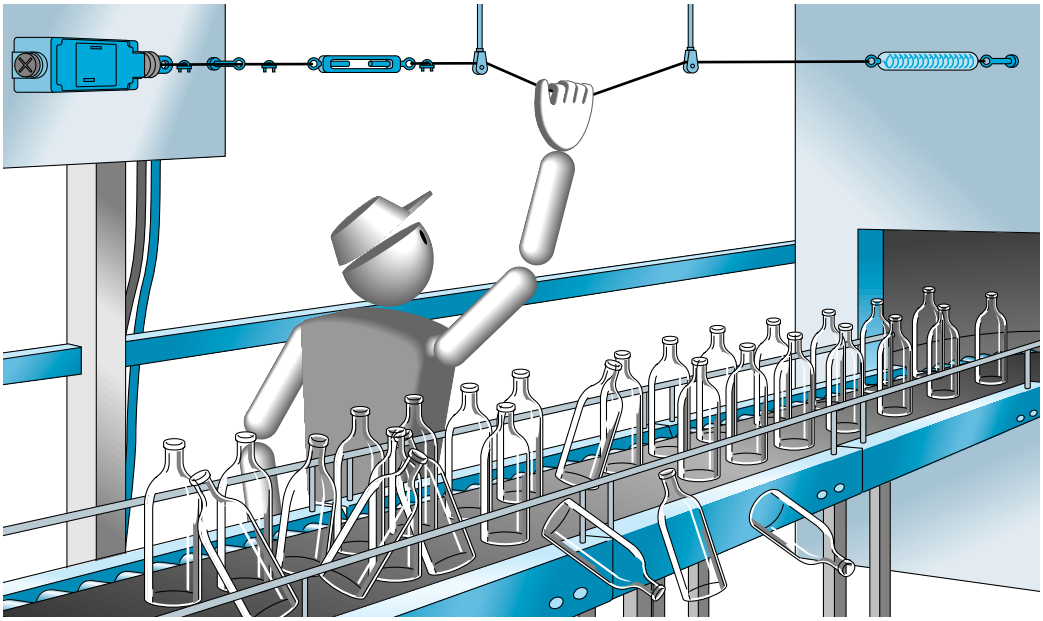
# Safety detection solutions
## Emergency stop rope pull switches, Preventa XY2 C

## Presentation

### Emergency stop rope pull switches

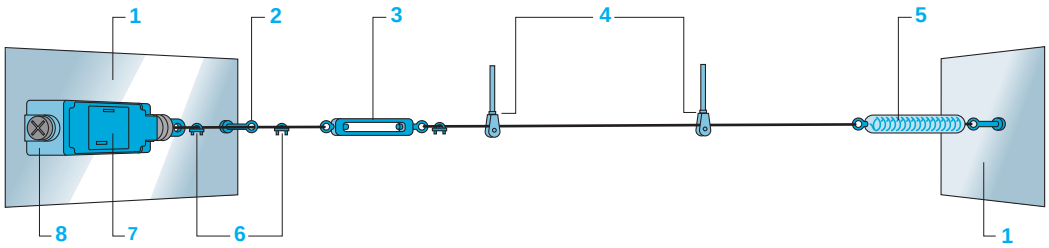
Emergency stop rope pull switches are designed to:
- avert hazards (dangerous phenomena) at the earliest possible moment, or to reduce risks which could cause injury to persons or damage either to machines or work in progress,
- be tripped by a single human action when a normal Emergency stop function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

Emergency stop rope pull 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




1 Fixing support
2 First cable support
3 Turnbuckle
4 Pulley supports and pulleys
5 End spring
6 Cable grips
7 Switch adjustment
8 Emergency stop

### Notes regarding installation

- All XY2 CH and XY2 CE rope pull 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 38145/9),
  - a tensioner (integrated in certain XY2 CH models, see page 38145/9).
- 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 38145/8). Example: reference XY2 CE1A250 becomes XY2 CE1**D**250.
- 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 ropes pull that deviate from a straight run, i.e. angled to form a protected zone.
- Important: switches XY2 CH and XY2 CE can be used if the installation requires that the rope pull be angled. In this case, the total sum of the angles through which the rope pull bends must not exceed 180°.
(For further information on instructions to be adhered to, please refer to the installation manual).

Characteristics: page 38145/5
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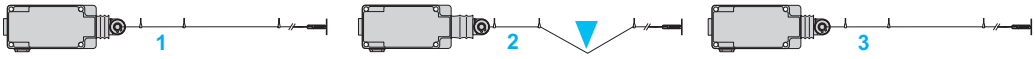
Dimensions: page 38145/11

# Safety detection solutions
## Emergency stop rope pull switches, Preventa XY2 C

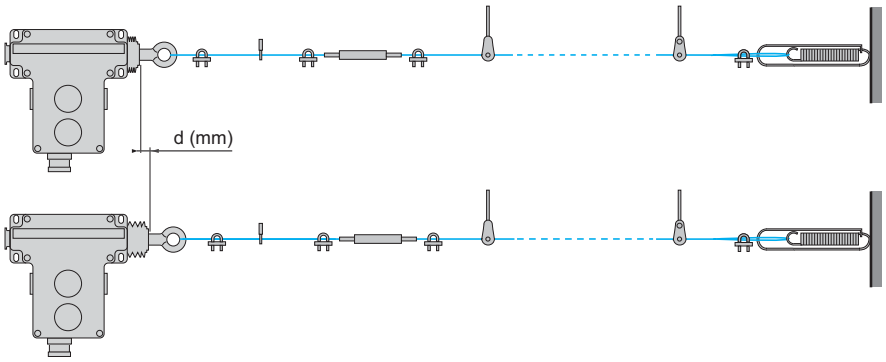
## Main features




| | | |
|---|---|---|
| **Positive operation**: running condition | 1 | The switches incorporate positive opening operation contacts, the tripping of the switch being made with positive action. |
| **Latching**: stop instruction given (tripped) | 2 | The switch latches in the tripped position (N/C safety contact(s) open). The function of the N/O contact is purely for signalling. |
| **Resetting**: stop condition (awaiting reset/restart) | 3 | The switches incorporate a reset button, which re-closes the safety contact(s). Restarting of the machine must only be achieved by manual operation of a control device within the machine start circuit, remote to the rope pull switch. |

## Rope pull expansion and contraction: d

Temperature variations likely to be encountered in the protected zone will obviously cause the rope pull to expand or contract.
To enable instant verification that the rope pull is at its correct tension (and for making any necessary adjustments), rope pull switches XY2 CH and XY2 CE incorporate a rope pull tension indicator.



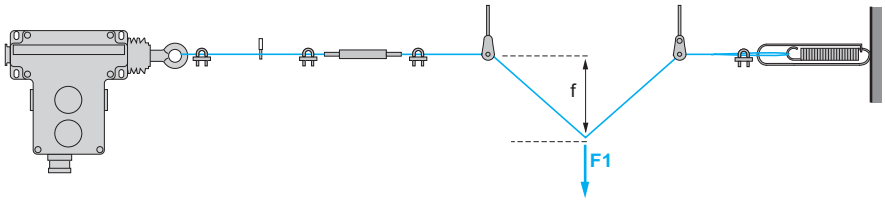

## Standards

Rope pull switches Preventa XY2 CH and XY2 CE meet all the requirements of the harmonised European standard **EN/ISO 13850**, relating to Emergency stop devices.
All the rope pull switches are CE marked and supplied with an EC declaration of conformity.

# Safety detection solutions
## Emergency stop rope pull switches, Preventa XY2 C

### Tripping force: F1
### Tripping deflection: f

The tripping force **F1** is the force necessary on the rope pull to cause the switch to trip.
The tripping deflection **f** is the distance that the rope pull has to be deflected from its taut position to the point at which the switch trips.

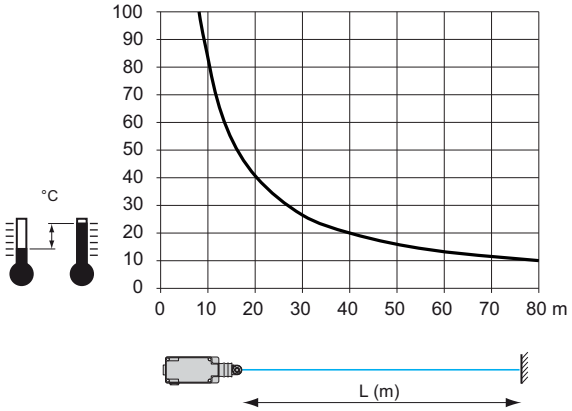



| Type | Position of cam | Max. length of cable | End spring | Average tripping deflection values f and tripping forces F1 for a distance of 5 m between cable supports and cable used | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Force F1 (daN) | | | | Deflection f (mm) for: | | | |
| | | | | Standard | | Light | | Standard force | | Light force | |
| | | | | Cable Ø 3.2 mm | Cable Ø 5 mm | Cable Ø 3.2 mm | Cable Ø 5 mm | Cable Ø 3.2 mm | Cable Ø 5 mm | Cable Ø 3.2 mm | Cable Ø 5 mm |
| **XY2 CH** | – | 30 m | XY2 CZ703 | 2.4 | 3 | – | – | 190 | 230 | – | – |
| **XY2 CE** | A | 70 m | XY2 CZ702 | 7 | 7 | 4 | 4.4 | 270 | 260 | 240 | 250 |
| | B | | | 8.6 | 8.4 | 4.4 | 4.8 | 300 | 280 | 250 | 270 |
| | C | | | 10.1 | 9.6 | 4.8 | 5.1 | 320 | 300 | 270 | 270 |
| | D | | | 11 | 10.2 | 4.6 | 5.3 | 330 | 320 | 280 | 280 |
| | E | | | 12.5 | 12.3 | 5.8 | 6 | 360 | 340 | 310 | 290 |
| | | | | | | | | | | | |
| | F | | | 14.4 | 13.3 | 6.4 | 6.6 | 390 | 360 | 330 | 320 |

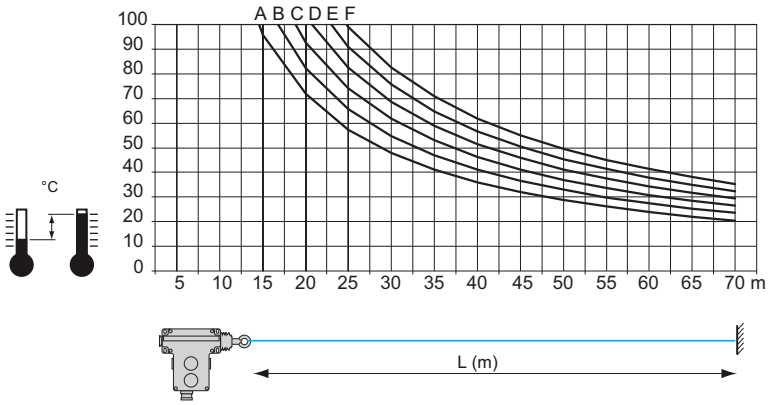
### Adjustment values (with end spring)

For Emergency stop rope pull switches Preventa XY2 CE: the adjustment values depend on the positions of the cam located inside the switch. Adjustment is made by rotating the cam after the switch has been installed. Each notched position of the cam is referenced by the letters A to F, and the selected letter is visible through a viewing port.
Temperature range: < 25 °C.

**XY2 CH**




**XY2 CE**




Characteristics: page 38145/5
References: page 38145/6
Dimensions: page 38145/11

# Safety detection solutions
## Emergency stop rope pull switches
## Preventa XY2 C

## Environment

| | | |
|---|---|---|
| **Conformity to standards** | Products | **XY2 CH**, **XY2 CE**: EN/IEC 60947-5-5, EN/ISO 13850: 2006, UL 508 and CSA C 22-2 n° 14 (with suffix H7) |
| | Machine assemblies | **XY2 CH**, **XY2 CE**: EN/IEC 60204-1, Machinery directive: 2006/42/EC, Work equipment directive: 89/655/EEC |
| **Product certifications** | | **XY2 CH**: UL-CSA (with suffix H7), CCC *(1)*<br>**XY2 CE**: UL-CSA A 300-Q 300 (with suffix H7), CCC |
| **Maximum safety level** *(2)* | | PL e, category 4 conforming to EN/ISO 13849-1 and SIL 3 conforming to EN/IEC 61508 |
| **Reliability data $B_{10d}$** | | **XY2 CH**: 5,000,000<br>**XY2 CE**: 50,000<br>(data values for a service life of 20 years: can be limited by contact and mechanical wear) |
| **Protective treatment** | Standard version | "TC" |
| | Special version | "TH" |
| **Ambient air temperature** | For operation | - 25…+ 70 °C |
| | For storage | - 40…+ 70 °C |
| **Vibration resistance** | | **XY2 CH**: 10 gn (10…150 Hz)<br>**XY2 CE**: 10 gn (10…300 Hz) conforming to EN/IEC 60068-2-6 |
| **Shock resistance** | | **XY2 CH, XY2 CE**: 50 gn (duration 11 ms) conforming to EN/IEC 60068-2-27 |
| **Electric shock protection** | | Class I conforming to IEC 61140 |
| **Degree of protection** | | **XY2 CH, XY2 CE**: IP 65 conforming to IEC 60529 |
| **Mechanical life** | | **XY2 CH**: 1 million operating cycles<br>**XY2 CE**: 10,000 operating cycles |
| **Length of protected zone (rope pull)** | | **XY2 CH**: ⩽ 30 metres, **XY2 CE**: ⩽ 70 metres |
| **Distance between cable supports** | | 5 m |
| **Cable entries** | | **XY2 CH**: threaded entries with Pg 13.5, ISO M20 or 1/2" NPT.<br>**XY2 CE**: plain holes with Pg 13.5, ISO M20 or 1/2" NPT.<br>See dimensions, page 38145/11. |

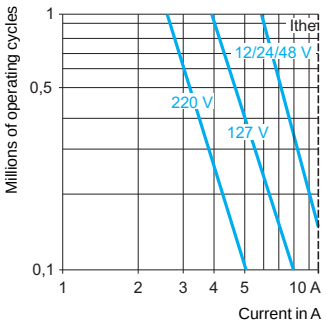
## Contact block characteristics

| | | |
|---|---|---|
| **Rated operational characteristics** | 2-pole contacts | **XY2 CH**, **XY2 CE**:<br>AC-15: A300 or Ue = 240 V, Ie = 3 A<br>DC-13: Q300 or Ue = 250 V, Ie = 0.27 A, conforming to EN/IEC 60947-5-1 Appendix A |
| | 3-pole contacts | **XY2 CH**, **XY2 CE**:<br>AC-15: C300 or Ue = 240 V, Ie = 0.75 A<br>DC-13: R300 or Ue = 250 V, Ie = 0.1 A, conforming to EN/IEC 60947-5-1 Appendix A |
| **Nominal thermal current** | | 10 A |
| **Rated insulation voltage** | 2-pole contacts | **XY2 CH**, **XY2 CE**: Ui = 500 V degree of pollution 3 conforming to EN/IEC 60947-1, Ui = 300 V conforming to UL 508, CSA C22-2 n° 14 |
| | 3-pole contacts | **XY2 CH**, **XY2 CE**: Ui = 400 V degree of pollution 3 conforming to EN/IEC 60947-1, Ui = 300 V conforming to UL 508, CSA C22-2 n° 14 |
| **Rated impulse withstand voltage** | 2-pole contacts | **XY2 CH**, **XY2 CE**: Uimp = 6 kV conforming to EN/IEC 60947-1 |
| | 3-pole contacts | **XY2 CH**, **XY2 CE**: Uimp = 4 kV conforming to EN/IEC 60947-1 |
| **Positive operation** | | NC contact with positive opening operation conforming to EN/IEC 60947-5-1 Section 3 |
| **Contact operation** | | **XY2 CH**, **XY2 CE** (Emergency stop) |
| **Resistance across terminals** | | ⩽ 25 mΩ conforming to NF C 93-050 method A or EN/IEC 60255-7 category 3 |
| **Terminal referencing** | | Conforming to CENELEC EN 50013 |
| **Short-circuit protection** | 2-pole contacts | **XY2 CH, XY2 CE**: 10 A cartridge fuse type gG (gl) conforming to IEC 60269 |
| | 3-pole contacts | **XY2 CH, XY2 CE**: 6 A cartridge fuse type gG (gl) conforming to IEC 60269 |
| **Rated operational power** (Electrical durability) | | **XY2 CH, XY2 CE**<br>Conforming to EN/IEC 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13 |

Operating rate: 3600 operating cycles/hour
Load factor: 0,5

**AC supply** ∿ 50/60 Hz

⎓ Inductive circuit




| Voltage | V | **24** | **48** | **120** |
|---|---|---|---|---|
| ⎓ | W | 15 | 23 | 30 |

| | |
|---|---|
| **Contact connection** | Screw clamp terminals<br>Clamping capacity: min. 1 x 0.5 $mm^2$, max. 2 x 1.5 $mm^2$<br>Minimum tightening torque: 0.8 N.m<br>Maximum tightening torque: 1.2 N.m |

*(1) Only products XY2 CH without pilot light are CCC and UL-CSA approved.*
*(2) Using an appropriate and correctly connected control system.*

# Safety detection solutions
## Emergency stop rope pull switches
## Preventa XY2 C

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*XY2 CH13250*

### Latching Emergency stops
(Pg 13.5, integrated turnbuckle, cable and end spring to be ordered separately) *(1)*

**Without pilot light**

| Length of cable | Colour of enclosure | Reset | Supply voltage | Type of contact | | | Cable anchor point | Reference | Weight kg |
|---|---|---|---|---|---|---|---|---|---|
| **≤ 30 m** | Red RAL 3000 body and stainless steel cover | By booted pushbutton | – | 1 | 1 | NC + NO slow break | Both sides (right or left) | **XY2 CH13250** *(3)* | 0.865 |
| | | By mushroom head pushbutton | – | 1 | 1 | | | **XY2 CH13350** *(3)* | 0.900 |
| | | By key operated pushbutton (key n° 421) *(2)* | – | 1 | 1 | | | **XY2 CH13450** *(3)* | 0.910 |
| | | By flush pushbutton | – | 2 | – | NC + NC slow break | Both sides (right or left) | **XY2 CH13170** *(3)* | 0.865 |
| | | By booted pushbutton | – | 2 | – | | | **XY2 CH13270** *(3)* | 0.865 |
| | | By mushroom head pushbutton | – | 2 | – | | | **XY2 CH13370** *(3)* | 0.865 |
| | | By key operated pushbutton (key n° 421) *(2)* | – | 2 | – | | | **XY2 CH13470** *(3)* | 0.910 |
| | | By flush pushbutton | – | 2 | 1 | 2 NC + 1 NO slow break | Both sides (right or left) | **XY2 CH13190** ▲ *(3)* | 0.865 |
| | | By booted pushbutton | – | 2 | 1 | | | **XY2 CH13290** ▲ *(3)* | 0.865 |
| | | By mushroom head pushbutton | – | 2 | 1 | | | **XY2 CH13390** ▲ *(3)* | 0.865 |
| **With pilot light (direct supply)** | | | | | | | | | |
| **≤ 30 m** | Red RAL 3000 body and stainless steel cover | By booted pushbutton | 24 V | 1 | 1 | NC + NO slow break | Both sides (right or left) | **XY2 CH13253** | 0.900 |
| | | | | 2 | – | NC + NC slow break | | **XY2 CH13273** | 0.900 |
| | | | | 2 | 1 | 2 NC + 1 NO slow break | | **XY2 CH13293** ▲ | 0.950 |

110940



*XY2 CE1A250*

### Latching Emergency stops
(turnbuckle, cable and end spring to be ordered separately) *(1)*

**Without pilot light**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **≤ 70 m** *(4)* | Red RAL 3000 body and stainless steel cover | By booted pushbutton | – | 1 | 1 | NC + NO slow break | Right side | **XY2 CE1A250** *(5)* | 1.450 |
| | | | | | | | Left side | **XY2 CE2A250** *(5)* | 1.450 |
| | | | | 2 | – | NC + NC slow break | Right side | **XY2 CE1A270** *(5)* | 1.450 |
| | | | | | | | Left side | **XY2 CE2A270** *(5)* | 1.450 |
| | | By key switch (key n° 421) | – | 1 | 1 | NC + NO slow break | Right side | **XY2 CE1A450** *(5)* | 1.465 |
| | | | | | | | Left side | **XY2 CE2A450** *(5)* | 1.465 |
| | | | | 2 | – | NC + NC slow break | Right side | **XY2 CE1A470** *(5)* | 1.470 |
| | | | | | | | Left side | **XY2 CE2A470** *(5)* | 1.470 |
| **With pilot light (direct supply)** | | | | | | | | | |
| **≤ 70 m** *(4)* | Red RAL 3000 body and stainless steel cover | By booted pushbutton | 24 to 130 V | 2 | 2 | NC + NO slow break | Right side | **XY2 CE1A296** | 1.470 |
| | | | | | | | Left side | **XY2 CE2A296** | 1.470 |
| | | | 230 to 240 V | 2 | 2 | NC + NO slow break | Right side | **XY2 CE1A297** | 1.470 |
| | | | | | | | Left side | **XY2 CE2A297** | 1.470 |

**Other versions**

See order forms on pages 38145/7 and 38145/8.
**XY2 CE** with reset by Ø 40 mm mushroom head pushbutton or with integral cable tensioner and support.
Please consult our Customer Care Centre.

*(1) See separate components, page 38145/9.*
*(2) Ø 30 spring return key operated pushbutton.*
*(3) For ISO M20 threaded cable entry version, add H29 to the end of the reference selected. Example: **XY2 CH13250** becomes **XY2 CH13250H29**.*
*(4) Available with window for viewing cable tension indicator, for adjustment whilst the cover is closed (see versions XY2 CE●D●●● and XY2 CE●E●●● on the order form, page 38145/8).*
*(5) ATEX version available (products for explosive atmospheres): To order, add **EX** to the end of the reference. Example: **XY2 CE1A250** becomes **XY2 CE1A250EX**.*

*▲: Available 1st quarter 2012.*

# Safety detection solutions
Emergency stop rope pull switches
Preventa XY2 C

## Complete units, pre-assembled



*XY2 CH13250*

| **Customer** | | | **Schneider Electric Industries SA** | |
|---|---|---|---|---|
| Company | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
| | | | | |

***How to use this form:***
*- indicate the number of Emergency stop switches required,*
*- complete the basic reference.*

## Reference

| | | **XY2 CH** | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number of identical Emergency stops | | | | | | | | |
| **Model** | | | | | | | | |
| Emergency stop (latching) | | **1** | | | | | | |
| **Degree of protection** | | | | | | | | |
| IP 65 (standard bellows) with integral tensioner | | | **3** | | | | | |
| IP 65 (silicone bellows) with integral tensioner | | | **4** | | | | | |
| **Type of reset** | | | | | | | | |
| Emergency stop *(1)* Reset by spring return pushbutton | Flush | | | **1** | | | | |
| | Booted | | | **2** | | | | |
| | Mushroom head, Ø 30 | | | **3** | | | | |
| | Key operated mushroom head, Ø 30 (key n° 421) | | | **4** | | | | |
| | Key operated mushroom head, Ø 30 (key n° 455) | | | **5** | | | | |
| | Key operated mushroom head, Ø 30 *(2)* | | | **9** | | | | |
| **Contact blocks for Emergency stop function** *(3)* | | | | | | | | |
| Slow break | 1 NC + 1 NO (NO staggered) | | | | **5** | | | |
| | 2 NC | | | | **7** | | | |
| | 2 NC + 1 NO | | | | **9** | | | |
| **Pilot light** | | | | | | | | |
| Without pilot light | | | | | | **0** | | |
| With 24 V direct supply pilot light | | | | | | **3** | | |
| With 48 V direct supply pilot light | | | | | | **4** | | |
| With 130 V direct supply pilot light | | | | | | **5** | | |
| With 230 V direct supply pilot light | | | | | | **7** | | |
| **Tapped cable entry** | | | | | | | | |
| 1/2" NPT *(4)* | | | | | | | **H7** | |
| ISO M20 | | | | | | | **H29** | |
| **Increased protection** | | | | | | | | |
| Treatment against corrosion *(5)* | | | | | | | | **TK** |

*(1) Opening of a circuit + mechanical latching in the open position.*
*(2) Other key numbers: 458A, 520E, 1242A, 1243E, 1344A, 1422A, 1431E, 2123E and 2132E.*
*(3) Emergency stop rope pull switches can only be fitted with slow break contact blocks.*
*(4) Only for versions without pilot light. For versions with pilot light, order an H4 version.*
*(5) Protective treatment TK is only possible for switches with silicone bellows (**XY2 CH14●●●TK**, **XY2 CH14●●●H29TK**, etc).*

# Safety detection solutions
Emergency stop rope pull switches
Preventa XY2 C

110940



*XY2 CE1A250*

## Complete units, pre-assembled

| Customer | | | Schneider Electric Industries SA | |
|---|---|---|---|---|
| Company | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
| | | | | |

***How to use this form:***
*- indicate the number of Emergency stop switches required,*
*- complete the basic reference.*

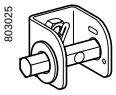
## Reference

Number of identical Emergency stops: ☐ **XY2 CE** ☐ ☐ ☐ ☐ ☐ ☐ ☐

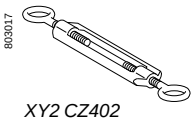
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Models** | | | | | | | | |
| Emergency stop (latching) | Anchor point on right side, standard force | **1** | | | | | | |
| | Anchor point on left side, standard force | **2** | | | | | | |
| | Anchor point on right side, light force | **5** | | | | | | |
| | Anchor point on left side, light force | **6** | | | | | | |
| **Degree of protection and “cable tension indicator” window** | | | | | | | | |
| IP 65 (standard bellows) without “cable tension indicator” window | | | **A** | | | | | |
| IP 65 (silicone bellows) without “cable tension indicator” window | | | **C** | | | | | |
| IP 65 (standard bellows) with “cable tension indicator” window | | | **D** | | | | | |
| IP 65 (silicone bellows) with “cable tension indicator” window | | | **E** | | | | | |
| **Type of reset** | | | | | | | | |
| Emergency stop *(1)* Reset by spring return pushbutton | Flush | | | **1** | | | | |
| | Booted | | | **2** | | | | |
| | Mushroom head, Ø 30 | | | **3** | | | | |
| Emergency stop *(1)* Reset by key switch | Key n° 421 | | | **4** | | | | |
| | Key n° 455 | | | **5** | | | | |
| | Key 458 A or 520E | | | **9** | | | | |
| **Contact blocks for Emergency stop function** *(2)* | | | | | | | | |
| Slow break | 1 NC + 1 NO | | | | **5** | | | |
| | 2 NC | | | | **7** | | | |
| | 2 NC + 2 NO (compulsory with pilot light) *(3)* | | | | **9** | | | |
| **Pilot light** | | | | | | | | |
| Without pilot light | | | | | | **0** | | |
| Protected LED, 24 - 130 V supply voltage pilot light (provide for 2 contact blocks) | | | | | | **6** | | |
| Protected LED, 230 V supply voltage pilot light (provide for 2 contact blocks) | | | | | | **7** | | |
| **Version for North American countries** | | | | | | | | |
| Tapped cable entry 1/2” NPT | | | | | | | **H7** | |
| **Increased protection** | | | | | | | | |
| Treatment against corrosion *(4)* | | | | | | | | **TK** |

*(1) Opening of NC contact + mechanical latching in the open position.*
*(2) Emergency stop rope pull switches can only be fitted with slow break contact blocks.*
*(3) The use of a pilot light means selecting a switch fitted with 2 NC + 2 NO contacts: **XY2 CE●●●9●**.*
*(4) Protective treatment TK is only possible for switches with silicone bellows (**XY2 CE●C●●●TK, XY2 CE●E●●●H7TK**).*

# Safety detection solutions
## Emergency stop rope pull switches
## Preventa XY2 C



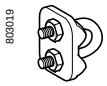
XY2 CZ203



XY2 CZ402



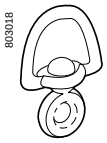
XY2 CZ503



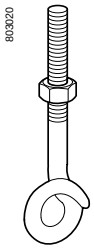
XY2 CZ524



XY2 CZ601



XY2 CZ602



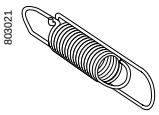
XY2 CZ705



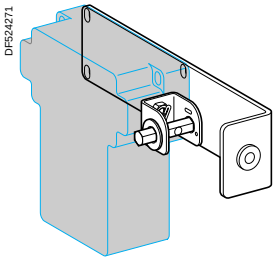
XY2 CZ708



XY2 CZ701



XY2 CZ702



XY2 CZ917

## Separate components

| Description | For use with | Diameter mm | Length m | Reference | Weight kg |
|---|---|---|---|---|---|
| **Galvanised cables with red sheath** | XY2 CH and XY2 CE | 3.2 | 10.5 | **XY2 CZ301** | 0.280 |
| | | | 15.5 | **XY2 CZ3015** | 0.410 |
| | | | 25.5 | **XY2 CZ302** | 0.690 |
| | | | 50.5 | **XY2 CZ305** | 1.360 |
| | | | 100.5 | **XY2 CZ310** | 2.700 |
| | | 5 | 15.5 | **XY2 CZ1015** | 0.850 |
| | | | 25.5 | **XY2 CZ102** | 1.400 |
| | | | 50.5 | **XY2 CZ105** | 2.750 |
| | | | 100.5 | **XY2 CZ110** | 5.500 |

| Description | Type | For use with | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|
| **Tensioner** (included in mounting kit XY2 CZ917) | – | XY2 CE | 1 | **XY2 CZ203** | 0.090 |
| **Turnbuckles** | M6 x 60 + locknut | All models *(1)* | 1 | **XY2 CZ402** | 0.060 |
| | M8 x 70 + locknut | All models *(1)* | 1 | **XY2 CZ404** | 0.100 |
| **Cable grips** | Single | Cable Ø 3 to 5 mm | 10 | **XY2 CZ503** | 0.007 |
| | Double | Cable Ø 3 to 5 mm | 10 | **XY2 CZ513** | 0.016 |
| | Clamp | Cable Ø 3.2 mm | 10 | **XY2 CZ523** | 0.050 |
| | | Cable Ø 5 mm | 10 | **XY2 CZ524** | 0.080 |
| **Cable supports** | Fixed | All models | 10 | **XY2 CZ601** | 0.030 |
| | Swivelling | All models | 1 | **XY2 CZ602** | 0.130 |
| | Pulley support | XY2 CH and XY2 CE | 1 | **XY2 CZ705** | 0.060 |
| **Pulley** | Cable Ø 5 mm max. | XY2 CH and XY2 CE | 1 | **XY2 CZ708** | 0.002 |
| **Cable end protectors** | – | Cable Ø 3.2 mm | 10 | **XY2 CZ701** | 0.002 |
| | | Cable Ø 5 mm | 10 | **XY2 CZ704** | 0.010 |
| **End springs** | – | XY2 CH | 1 | **XY2 CZ703** | 0.035 |
| | | XY2 CE | 1 | **XY2 CZ702** | 0.080 |

## Mounting kits

| Contents | For use with | Cable diameter mm | Length of cable m | Reference | Weight kg |
|---|---|---|---|---|---|
| 1 tensioner + 1 bracket | XY2 CE | – | – | **XY2 CZ917** | 0.612 |
| 1 galvanised cable<br>+ 1 cable grip **XY2 CZ523**<br>+ 1 end spring **XY2 CZ703** | XY2 CH | 3.2 | 10 | **XY2 CZ9310** | 0.415 |
| | | | 15 | **XY2 CZ9315** | 0.535 |
| 1 galvanised cable<br>+ 4 cable grips **XY2 CZ523**<br>+ 1 turnbuckle **XY2 CZ404**<br>+ 1 cable support **XY2 CZ601**<br>+ 3 cable end protectors **XY2 CZ701**<br>+ 1 end spring **XY2 CZ702** | XY2 CE | 3.2 | 25 | **XY2 CZ9325** | 10 |
| | XY2 CE | 3.2 | 50 | **XY2 CZ9350** | 1.980 |
| 1 galvanised cable<br>+ 4 cable grips **XY2 CZ524**<br>+ 1 turnbuckle **XY2 CZ404**,<br>+ 1 cable support **XY2 CZ601**<br>+ 3 cable end protectors **XY2 CZ704**<br>+ 1 end spring **XY2 CZ702**. | XY2 CE | 5 | 25 | **XY2 CZ9525** | 1.905 |
| | | | 50 | **XY2 CZ9550** | 3.280 |

## Documentation

| Description | For use with | Reference | Weight kg |
|---|---|---|---|
| **Installation manual** | XY2 CH and XY2 CE | **XCOM2512** | 0.200 |

*(1) Emergency stop rope pull switches XY2 CH13●●● and XY2 CH14●●● incorporate a cable tensioner as standard. Therefore, there is no need to order a turnbuckle.*

General:
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Characteristics:
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Dimensions:
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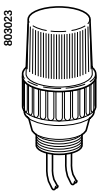
# Safety detection solutions
## Emergency stop rope pull switches
## Preventa XY2 C

### Replacement parts

| Description | For use with | Type | Reference | Weight kg |
|---|---|---|---|---|
| **Reset pushbutton (blue), spring return** | XY2 CH | Flush with “R” marked on push | **ZB5 AA639** | 0.030 |
| | | Booted | **ZB5 AP6** | 0.025 |
| | | Mushroom head, Ø 30 | **ZB5 AC64** | 0.045 |
| | XY2 CE | Flush with “R” marked on push | **ZB5 AA639** | 0.018 |
| | | Booted | **ZB5 AP6S** | 0.021 |
| | | Mushroom head, Ø 30 | **ZB5 AC64** | 0.027 |
| **Key switch** | XY2 CH and XY2 CE | With key n° 421 | **ZB5 AG612R26** | 0.064 |
| | | With key n° 455 | **ZB5 AG6R26** | 0.064 |
| **Keys for reset button** | All types of Emergency stop | N° 421 | **Q99900911** | 0.006 |
| | | N° 455 | **Q99900901** | 0.006 |
| **Pilot light head assembly** | XY2 CE | Orange | **XY2 CZ800** | 0.015 |
| | | Red | **XY2 CZ801** | 0.015 |
| **Pilot light lens** | XY2 CH | Orange | **ZB2 BV015** | 0.003 |
| **Fixing nut, plastic, grey** | XY2 CH and XY2 CE | – | **ZB5 AZ901** | 0.002 |
| **Fixing nut tightening key, plastic, grey** | XY2 CH and XY2 CE<br>For fixing nut ZB5 AZ901 | | **ZB5 AZ905** | 0.016 |




*XY2 CZ●●●●*

| Description | For use with | Voltage | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|
| **Pilot lights**<br>With bulb DL1 AA●●● included | XY2 CH<br>Colour: orange | 24 V | 1 | **XY2 CZ0024** *(1)* | 0.035 |
| | | 48 V | 1 | **XY2 CZ0048** *(1)* | 0.035 |
| | | 130 V | 1 | **XY2 CZ0130** *(1)* | 0.035 |
| | | 230 V | 1 | **XY2 CZ0230** *(1)* | 0.035 |
| **Supply on LED** | XY2 CE<br>Colour: red | 24 V | 1 | **ZAL VB4** | 0.015 |
| | | 130 V | 1 | **ZAL VG4** | 0.015 |
| | | 230 to 240 V | 1 | **ZAL VM4** | 0.015 |
| | XY2 CE<br>Colour: orange | 24 V | 1 | **ZAL VB5** | 0.015 |
| | | 130 V | 1 | **ZAL VG5** | 0.015 |
| | | 230 to 240 V | 1 | **ZAL VM5** | 0.015 |
| **Incandescent bulbs, screw base fitting** | XY2 CH | 24 V - 6 W | **10** | **DL1 AA024** | 0.004 |
| | | 130 V - 6 W | **10** | **DL1 AA127** | 0.004 |
| | | 230 V - 6 W | **10** | **DL1 AA220** | 0.004 |
| **Packet of 5 collars** | For mounting DL1 AA127 and DL1 AA220 bulbs in pilot lights XY2 CZ●●● | – | **5** | **XY2 CZ908** | 0.018 |

*(1) Only for use as replacement parts for switches pre-fitted with pilot lights. CCC and UL-CSA approvals no longer apply if an XY2 CZ●●● pilot light is mounted on Emergency stops XY2 CH.*

General:
pages 38145/2 to 38145/4

Characteristics:
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Dimensions:
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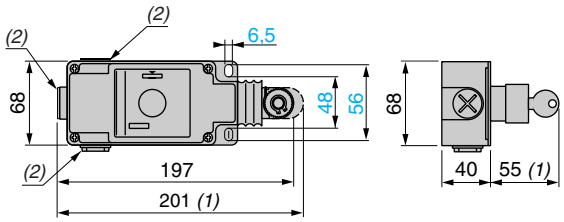
# Safety detection solutions
Emergency stop rope pull switches
Preventa XY2 C

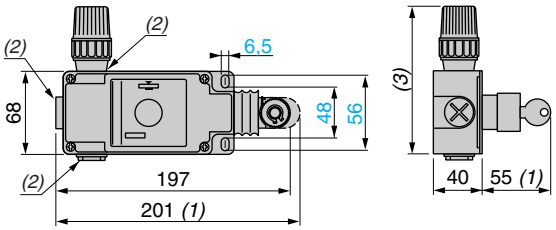
## Latching Emergency stops

### XY2 CH

**Without pilot light**



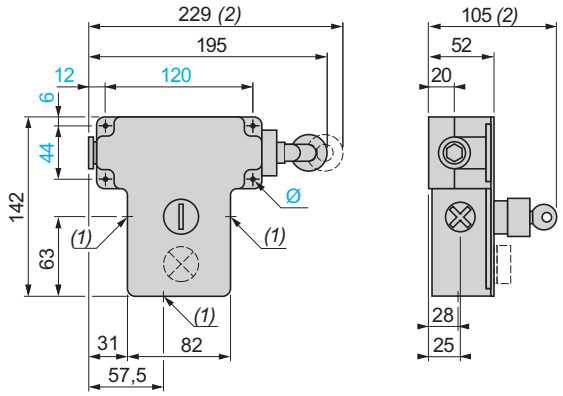

**With pilot light**



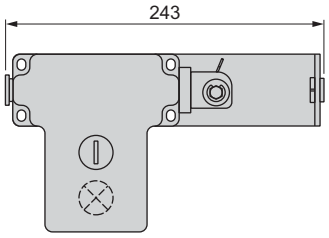

*(1) Maximum extension.*
*(2) Tapped entries for n° 13 (Pg 13.5) cable gland. For ISO M20 the reference becomes **XY2 CH●●●●●H29**.*
*(3) 121 mm: 24 V and 48 V versions. 131 mm: 130 V and 230 V versions.*

### XY2 CE

**XY2 CE1A●●● (anchor point on right side)**

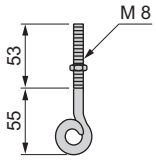



**XY2 CE●A●●● + XY2 CZ917 (tensioner + bracket)**

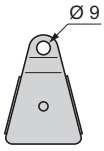



## Accessories

**XY2 CZ705**




**XY2 CZ708**




*(1) 3 plain holes for n° 13 (Pg 13.5) or ISO M20 cable gland.*
*(2) Maximum extension.*
Ø: 4 elongated holes Ø 6 mm.

General:
pages 38145/2 to 38145/4

Characteristics:
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