## Components for safety applications

## Emergency stop trip wire switches

## Characteristics

References:
pages $3 / 17$ to $3 / 22$
Dimensions:
page $3 / 23$

## Environment

| Conforming to standards | Products : XY2-CB : IEC 947-5-1, EN 60947-5-1, VDE 0660-200, CSA C 22-2 n¹4, prEN616 XY2-CE, CH, CB : IEC 947-5-1, EN 60 947-5-1, VDE 0660-200, EN 418, prEN616 Machine assemblies : XY2-CE, CH, CB : EN 60-204-1, EN292. |
| :---: | :---: |
| Product certifications | $\qquad$ |
| Protective treatment | Standard version : "TC". Special version: "TH" |
| Ambient air temperature | Operation : $-25 \ldots+70^{\circ} \mathrm{C}$. Storage : $-40 \ldots+70^{\circ} \mathrm{C}$ |
| Vibration resistance | XY2-CE : $10 \mathrm{gn}(10 \ldots 300 \mathrm{~Hz})$ conforming to IEC $68-2-6 ;$ XY2-CH : $10 \mathrm{gn}(10 \ldots 150 \mathrm{~Hz}$ ) |
| Shock resistance | XY2-CE, CH : 50 gn (duration 11 ms ) conforming to IEC 68-2-27 |
| Electric shock protection | Class I conforming to IEC 536 and NF C 20-030 |
| Degree of protection | XY2-CB : enclosure IP 22, contact housing IP 65, conforming to IEC 529 and NF C 20-010 XY2-CE, CH : IP 65 |
| Mechanical durability | XY2-CE, CH (Emergency stop) : 10,000 operating cycles |
| Length of protected zone (trip wire) | XY2-CH : $\leq 15$ metres, XY2-CE : $\leq 50$ metres, XY2-CB : 100 metres and 200 metres |
| Cable entry | Entries for cable glands with maximum capacity of 12 mm : XY2-CB : 1 entry, XY2-CE, CH : 3 entries |

Contact block characteristics


## Components for safety applications

Emergency stop trip wire switches

Characteristics:
page 3/16
Dimensions:
page 3/23

References


XY2-CH13250


XY2-CE1A250


XY2-CB30

Latching Emergency stops without indicator (1) (cable not included)

| Contact | Reset | Cable anchor point | Reference | Weight kg |
| :---: | :---: | :---: | :---: | :---: |
| Length of cable $\leq 15$ metres. Distance between cable supports : 5 metres |  |  |  |  |
| $\mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O}$ <br> slow break | By booted pushbutton | RH side or LH side | XY2-CH13250H29 | 0.865 |
|  | By key release pushbutton (key n ${ }^{\circ}$ 421) (2) | RH side or LH side | XY2-CH13450H29 | 0.910 |
| $\mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{C}$ <br> slow break | By booted pushbutton | RH side or LH side | XY2-CH13270H29 | 0.865 |
|  | By key release pushbutton (key n ${ }^{\circ}$ 421) (2) | RH side or LH side | XY2-CH13470H29 | 0.910 |


| $\begin{aligned} & \mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O} \\ & \text { slow break } \\ & \hline \end{aligned}$ | By booted pushbutton | RH side LH side | $\begin{aligned} & \hline \text { XY2-CE1A250 } \\ & \hline \text { XY2-CE2A250 } \end{aligned}$ | $\begin{aligned} & \frac{1.450}{1.450} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{C}$ slow break | By booted | RH side | XY2CE1A270 | 1.450 |
|  | pushbutton | LH side | XY2-CE2A270 | 1.450 |
| $\mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O}$ <br> slow break | By key release | RH side | XY2-CE1A450 | 1.465 |
|  | pushbutton (key $\mathrm{n}^{\circ}$ 421) (2) | LH side | XY2-CE2A450 | 1.465 |
| $\mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{C}$ slow break | By key release | RH side | XY2-CE1A470 | 1.470 |
|  | pushbutton (key $\mathrm{n}^{\circ}$ 421) (2) | LH side | XY2-CE2A470 | 1.470 |
| Length of cable $\leq 100$ metres. Distance between cable supports : $\mathbf{2 0}$ metres |  |  |  |  |
| $\begin{aligned} & \mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O} \\ & \text { slow break } \end{aligned}$ | From inside | LH side | XY2-CB10 | 15.000 |
|  | enclosure | RH side | XY2-CB20 | 15.000 |
| Length of cable $\leq 2 \times 100$ metres. Distance between cable supports : 20 metres |  |  |  |  |
| $\begin{aligned} & \mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O} \\ & \text { slow break } \end{aligned}$ | From inside enclosure | RH side LH side | XY2-CB30 | 25.000 |

Latching Emergency stops with indicator (cable not included)

| Contact | Reset | Supply <br> (direct) | Cable <br> anchor | Reference |
| :--- | :--- | :--- | :--- | :--- |$\quad$| Weight |
| :---: |
|  |

Length of cable $\leq 50$ metres. Distance between cable supports : 10 metres

| 2 N/C + N/O <br> slow break | By booted <br> pushbutton | 230 V | RH side | XY2-CE1A297 | 1.470 |
| :--- | :--- | :--- | :--- | :--- | ---: |
| Contact | Reset | Supply <br> (via integral <br> transformer) | (3) | Cable <br> anchor <br> point | Ry2-CE2A297 |

Length of cable $\leq 100$ metres. Distance between cable supports : $\mathbf{2 0}$ metres

| $\begin{aligned} & \mathrm{N} / \mathrm{C}+\mathrm{N} / \mathrm{O} \\ & \text { slow break } \end{aligned}$ | From inside enclosure | 24 V/6 V | LH side | XY2-CB11 | 15.600 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | RH side | XY2-CB21 | 15.600 |
|  |  | 127 V/6 V | LH side | XY2-CB13 | 15.600 |
|  |  |  | RH side | XY2-CB23 | 15.600 |
|  |  | 220 V/6 V | LH side | XY2-CB14 | 15.600 |
|  |  |  | RH side | XY2-CB24 | 15.600 |

Length of cable $\leq 2 \times 100$ metres. Distance between cable supports : 20 metres

| N/C + N/O <br> slow break | From inside <br> enclosure | $24 \mathrm{~V} / 6 \mathrm{~V}$ | RH side and <br> LH side | $\underline{\overline{\text { XY2-CB31 }}}$ |
| :--- | :--- | :--- | :--- | :--- |

[^0] wire switches on pages $3 / 18$ and $3 / 19$.
(2) $\varnothing 30 \mathrm{~mm}$ mushroom head key release pushbutton. Locking and key withdrawal in the rest (unactuated) position.
(3) BA 7s - 6 V bulb included.

Other versions See order forms, pages 3/18 and 3/19.
XY2-CE with reset by $\varnothing 40 \mathrm{~mm}$ mushroom head pushbutton or with integral cable tensioner \& support. Please consult your local Customer support centre.

## Components for safety applications

## Emergency stop trip wire switches <br> Complete units, assembled by Telemecanique

Order form (specimen suitable for photocopying)

| Customer | Schneider Electric |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Company | Order No | Delivery date | Sales office - Subsidiary Co. | Order $N^{\circ}$ |
|  |  |  |  |  |

How to use this order form :

- indicate the number of Emergency stop switches required,
- complete the basic reference.

Reference

(3) Emergency stop trip wire switches can only be fitted with slow break contact blocks.

## Components for safety applications

## Emergency stop trip wire switches <br> Complete units, assembled by Telemecanique

Order form (specimen suitable for photocopying)

| Customer | Order $\mathrm{N}^{\circ}$ | Selivery date | Sales office - Subsidiary Co. | Order $\mathrm{N}^{\circ}$ |
| :--- | :--- | :--- | :--- | :--- |
| Company |  |  |  |  |
|  |  |  |  |  |

How to use this order form :

- indicate the number of Emergency stop switches required,
- complete the basic reference.


## Reference

| Number of identical <br> Emergency stop <br> trip wire switches |
| :--- |

(3) Emergency stop trip wire switches can only be fitted with slow break contact blocks.
(4) The use of a pilot light means selecting a switch fitted with 2 N/C + N/O contacts : XY2-CEeeゃ9

## Components for safety applications

Emergency stop trip wire switches
References of accessories and spare parts

Dimensions page $3 / 23$

|  | Description | Application | Diameter mm | Length <br> m | Reference | Weight kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Galvanised cables with red sheath | For XY2-CH | 3.2 | 10.5 | XY2-CZ301 | 0.280 |
| ¢ |  |  |  | 15.5 | XY2-CZ3015 | 0.410 |
| XY2-CZ402 |  |  |  |  |  |  |
|  |  |  |  | 25.5 | XY2-CZ302 | 0.690 |
| XY2-CZ503 |  |  |  | 50.5 | XY2-CZ305 | 1.360 |
| XY2-CZ524 |  |  |  | 100.5 | XY2-CZ310 | 2.700 |
|  |  |  |  |  |  |  |
|  |  | For XY2-CH, <br> XY2-CE and <br> XY2-CB | 5 | 15.5 | XY2-CZ1015 | 0.850 |
|  |  |  |  |  |  |  |
|  |  |  |  | 25.5 | XY2-CZ102 | 1.400 |
| ) |  |  |  | 50.5 | XY2-CZ105 | 2.750 |
| XY2-CZ601 |  |  |  |  |  |  |
|  |  |  |  | 100.5 | XY2-CZ110 | 5.500 |
|  | Description | Type | Application | Sold in lots of | Unit reference | $\begin{array}{r} \text { Weight } \\ \mathrm{kg} \end{array}$ |
| $(10)$ | Turnbuckles | $\begin{aligned} & \text { M6 x } 60 \\ & +\quad \text { locknut } \\ & \hline \end{aligned}$ | All models except XY2-CH | 1 | XY2-CZ402 | 0.060 |
| XY2-CZ602 |  | $\begin{aligned} & \text { M8 } \times 70 \\ & + \text { locknut } \\ & \hline \end{aligned}$ | All models except XY2-CH (1) | 1 | XY2-CZ404 | 0.100 |
|  | Cable grips | Single | $\begin{aligned} & \text { Cable } \\ & \varnothing 3 \text { to } 5 \mathrm{~mm} \\ & \hline \end{aligned}$ | 10 | XY2-CZ503 | 0.007 |
|  |  | Double | $\begin{aligned} & \text { Cable } \\ & \varnothing 3 \text { to } 5 \mathrm{~mm} \\ & \hline \end{aligned}$ | 10 | XY2-CZ513 | 0.016 |
| 0 |  | Clamp | Cable Ø 3.2 mm | 10 | XY2-CZ523 | 0.050 |
| XY2-CZ705 |  |  | Cable $\varnothing 5 \mathrm{~mm}$ | 10 | XY2-CZ524 | 0.080 |
|  | Cable supports | Fixed | All models | 10 | XY2-CZ601 | 0.030 |
|  |  | Swivelling | All models | 1 | XY2-CZ602 | 0.130 |
|  |  |  |  |  |  |  |
|  |  | Pulley bracket | All models | 1 | XY2-CZ705 | 0.060 |
| $0$ |  |  |  |  |  |  |
| XY2-CZ701 | Pulley | Cable $\varnothing 5 \mathrm{~mm}$ max. | All models | 1 | XY2-CZ706 | 0.002 |
|  | Cable end protectors |  | Cable Ø 3.2 mm | 10 | XY2-CZ701 | 0.002 |
|  |  |  | Cable $\varnothing 5 \mathrm{~mm}$ | 10 | XY2-CZ704 | 0.010 |
|  | End springs |  | For XY2-CE | 1 | XY2-CZ702 | 0.080 |
|  |  |  | For XY2-CH | 1 | XY2-CZ703 | 0.035 |
|  |  |  | For XY2-CB | 1 | XY2-CZ707 | 0.080 |

## Documentation

| Description | For use <br> with | Reference | Weight <br> kg |
| :--- | :--- | :--- | ---: |
| Installation manual | All XY2-C <br> trip wire switches | $\overline{\text { XCOM2512 }}$ |  |
| (1) Emergency stop trip wire switches XY2-CH incorporate a cable tensioner as standard. |  |  |  |

[^1]
## Components for safety applications

## Emergency stop trip wire switches

References of accessories and spare parts

Dimensions : page 3/23

|  | Fitting kits |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Contents } \\ & \text { of kit } \end{aligned}$ | Application | Diameter | Length of cable | Reference | $\begin{array}{r} \text { Weight } \\ \mathrm{kg} \end{array}$ |
|  |  |  | mm | m |  |  |
|  | Tensioner | For XY2-CE | - | - | XY2-CZ917 | 0.612 |
|  | Kit comprising : | For XY2-CH | 3.2 | 10 | XY2-CZ9310 | 0.415 |
| XY2-CZ917 |  | For XY2-CH | 3.2 | 15 | XY2-CZ9315 | 0.535 |
|  | Kit comprising : <br> - 1 galvanised cable, Ø 3.2 mm, length according to that selected, <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 | For XY2-CE | 3.2 | 25 | XY2-CZ9325 | 1.250 |
|  |  | For XY2-CE/CB | 3.2 | 50 | XY2-CZ9350 | 1.980 |
|  | Kit comprising : <br> - 1 galvanised cable, Ø 5 mm , length according to that selected, <br> - 4 cable grips XY2-CZ524, <br> - 1 turnbuckle XY2-CZ404, <br> - 1 cable support XY2-CZ601, <br> - 3 cable end protectors <br> XY2-CZ704, <br> - 1 end spring XY2-CZ702 | For XY2-CE | 5 | 25 | XY2-CZ9525 | 1.905 |
|  |  | For XY2-CE/CB | 5 | 50 | XY2-CZ9550 | 3.280 |

Kit comprising :
-1 galvanised cable, $\varnothing 3.2 \mathrm{~mm}$,
length according to that selected,
4 cable grips XY2-CZ523

- 1 turnbuckle XY2-CZ404,
cable support XY2-CZ601,
protectors
- 1 end spring XY2-CZ702

Kit comprising :
For XY2-CE 5

that selected,
4 cable grips XY2-CZ524

- 1 turnbuckle XY2-CZ404,
cable support XY2-CZ601
e end protectors
XY2-CZ704,
For XY2-CE/CB 50 XY2-CZ9550
-1 end spring XY2-CZ702
$\qquad$


## Components for safety applications

Emergency stop trip wire switches
References of spare parts

$\qquad$

## Components for safety applications

Emergency stop trip wire switches
Dimensions
Characteristics :
page 3/16
References:
pages $3 / 17$ to $3 / 22$

(1) 1 tapped entry for cable gland of maximum capacity 12 mm
(2) Maximum extension
$\varnothing$ : 4 elongated holes $\varnothing 6 \mathrm{~mm}$
XY2-CB••
XY2-CH13e50H29

(1) Maximum extension
$\varnothing: 2$ elongated holes $\varnothing 8 \mathrm{~mm}$
20 mm ISO entries
(1) 2 access points for operating cable
(2) +125 mm for opening of cover
(3) Cable gland, maximum capacity 12 mm

$\frac{\square 9}{688}$


[^0]:    (1) These Emergency stops are also available fitted with an indicator, see ordering forms for XY2-CH and XY2-CE trip

[^1]:    (1) Emergency stop trip wire switches XY2-CH incorporate a cable tensioner as standard.

