

# XY2CH13253

Latching emergency stop rope pull switch,  
Telemecanique rope pull switches XY2C, e  
XY2CH, 1NC+1 NO, pilot light 24 V, booted  
pushbutton



## Main

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Range of product          | Telemecanique Emergency stop rope pull switches XY2C                    |
| Product or component type | Latching emergency stop rope pull switch                                |
| Device short name         | XY2CH                                                                   |
| Housing colour            | Red RAL 3000                                                            |
| Overvoltage category      | Class I conforming to EN/IEC 61140<br>Class I conforming to NF C 20-030 |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local signalling                             | With pilot light, yellow, 24 V                                                                                                                                                                                                                                                                                                    |
| Number of cables                             | 1                                                                                                                                                                                                                                                                                                                                 |
| Trigger cable maximum length                 | 30 m                                                                                                                                                                                                                                                                                                                              |
| Body material                                | Zamak                                                                                                                                                                                                                                                                                                                             |
| Cover material                               | Stainless steel                                                                                                                                                                                                                                                                                                                   |
| Reset                                        | By booted push-button                                                                                                                                                                                                                                                                                                             |
| [Us] rated supply voltage                    | 24 V AC/DC                                                                                                                                                                                                                                                                                                                        |
| Contacts type and composition                | 1 NC + 1 NO                                                                                                                                                                                                                                                                                                                       |
| Contact operation                            | Slow-break                                                                                                                                                                                                                                                                                                                        |
| Trigger cable anchor point                   | RH or LH side                                                                                                                                                                                                                                                                                                                     |
| Light block supply                           | Direct                                                                                                                                                                                                                                                                                                                            |
| Connections - terminals                      | Screw clamp terminal, 1 x 0.5...2 x 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                           |
| Tightening torque                            | 0.8...1.2 N.m                                                                                                                                                                                                                                                                                                                     |
| Cable entry number                           | 3 tapped entry for Pg 13.5 cable gland                                                                                                                                                                                                                                                                                            |
| Safety level                                 | Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508 |
| Safety reliability data                      | B10d = 4000000 conforming to IEC 60947-5-5 value given for a life time of 20 years limited by mechanical or contact wear                                                                                                                                                                                                          |
| Marking                                      | CE                                                                                                                                                                                                                                                                                                                                |
| Mechanical durability                        | 800000 cycles                                                                                                                                                                                                                                                                                                                     |
| Distance between cable supports              | 5 m                                                                                                                                                                                                                                                                                                                               |
| [Ie] rated operational current               | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A<br>0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 appendix A                                                                                                                                                                                     |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                              |
| [Ui] rated insulation voltage                | 500 V (pollution degree 3) conforming to EN/IEC 60947-1<br>300 V conforming to UL 508                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                                                 |
| Positive opening                             | With conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                               |
| Maximum resistance across terminals          | 25 MOhm conforming to EN/IEC 60255-7 category 3<br>25 MOhm conforming to NF C 93-050 method A                                                                                                                                                                                                                                     |
| Short-circuit protection                     | 10 A cartridge fuse type gG conforming to EN/IEC 60269                                                                                                                                                                                                                                                                            |

|                               |                        |
|-------------------------------|------------------------|
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |
| Net weight                    | 0.865 kg               |
| Compatibility code            | XY2CH                  |

## Environment

|                                       |                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | Machinery directive 2006/42/EC<br>EN/IEC 60947-5-5<br>EN/ISO 13850<br>Work equipment directive 2009/104/EC<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1 |
| Product certifications                | UL category NISD emergency stop devices                                                                                                          |
| Protective treatment                  | TC                                                                                                                                               |
| Ambient air temperature for operation | -25...70 °C                                                                                                                                      |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                      |
| Vibration resistance                  | 10 gn (f= 10...150 Hz) conforming to EN/IEC 60068-2-6                                                                                            |
| Shock resistance                      | 50 gn 11 ms conforming to EN/IEC 60068-2-27                                                                                                      |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                                     |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 9.200 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 19.500 cm |
| Package 1 Weight             | 1.043 kg  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 30 cm     |
| Package 2 Width              | 30 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 10.936 kg |

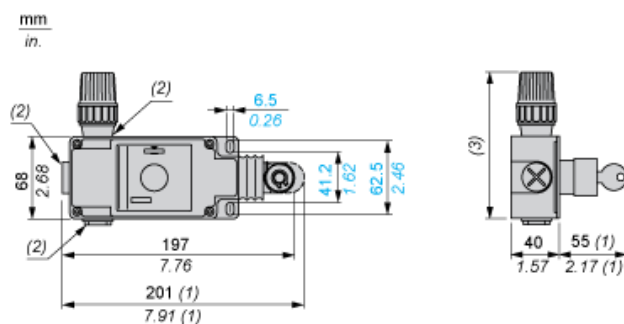
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions

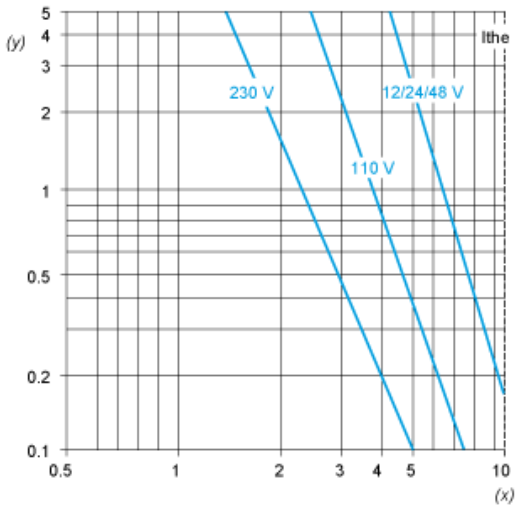


- (1) Maximum extension.
- (2) Tapped entry for n° 13 (Pg 13.5) cable entry
- (3) 121 mm/4.76 in.: 24 V and 48 V versions. 131 mm/5.16 in.: 130 V and 230 V versions.

Electrical Curves

AC Supply 50/60 Hz Inductive Circuit

2-pole Contact Block



Y Millions of operating cycles  
X Current in A

DC Supply Power Broken in for 1 Million Operating Cycles Inductive Circuit

|           |   |    |    |     |
|-----------|---|----|----|-----|
| Voltage   | V | 24 | 48 | 120 |
| <i>mm</i> | W | 13 | 9  | 7   |