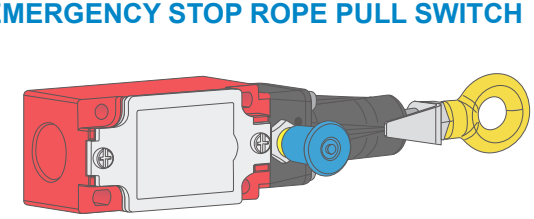
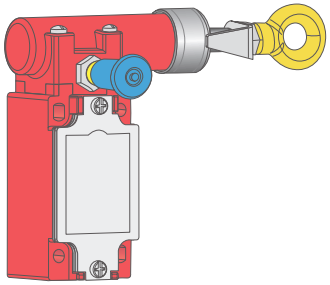
EMERGENCY STOP ROPE PULL SWITCH





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en	N°: EAV69749_EN	es	N°: EAV69749_ES
fr	N°: EAV69749_FR	it	N°: EAV69749_IT
de	N°: EAV69749_DE	zh	N°: EAV69749_ZH

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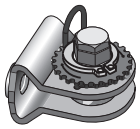
http://qr.tesensors.com/XY0010

Accessories


XY2CZ30...

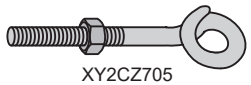

XY2CZ210

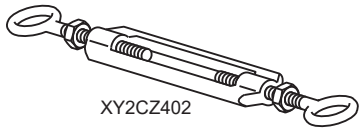

XY2CZ601


XY2CZ708


XY2CZ701


XY2CZ523


XY2CZ705


XY2CZ402

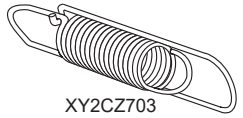

XY2CZ703

Fig.1 Installation

⑥ { XY2CZ503 / XY2CZ513 / XY2CZ523 } → 1,5 ± 0,1 N.m *1.1 ± 0.074 lb.ft*

⑤ XY2CZ30...

③ { XY2CZ601 / XY2CZ705 + XY2CZ708 } → 4,0 ± 0,5 N.m *2.95 ± 0.369 lb.ft*

④: XY2CZ703

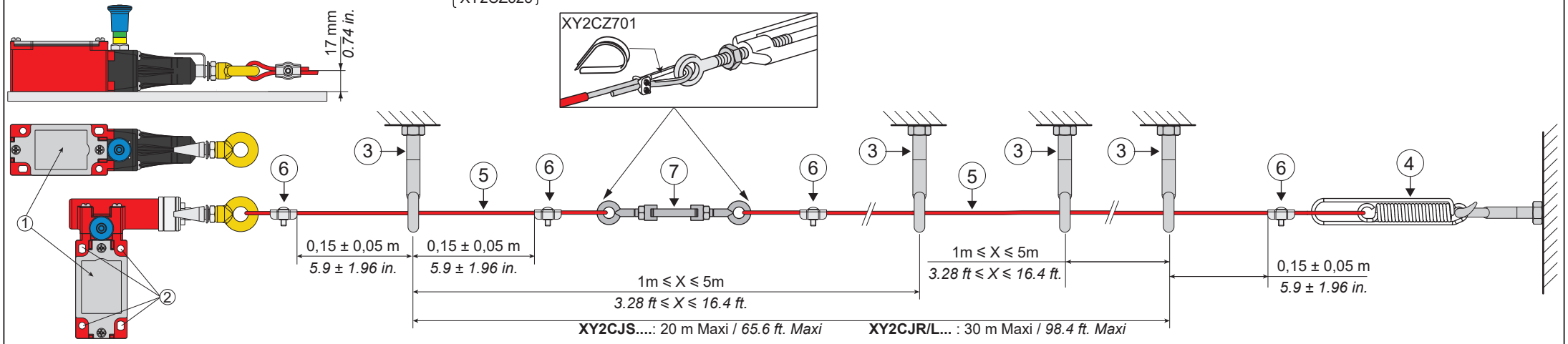
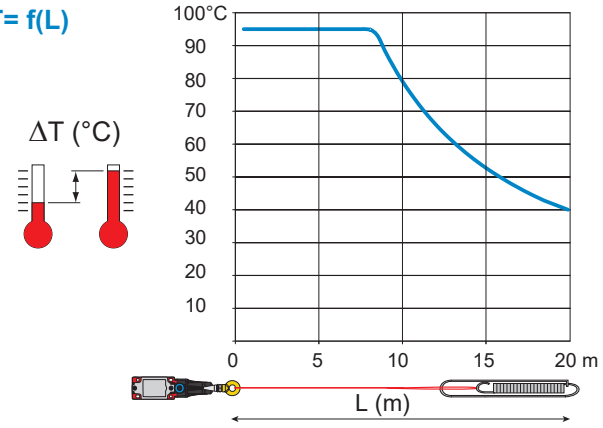


Fig.2 ΔT= f(L)



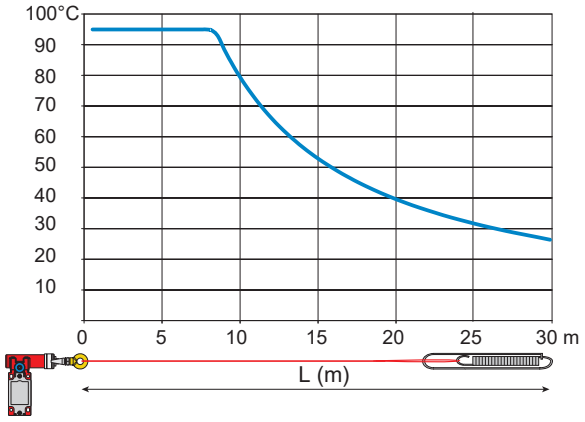
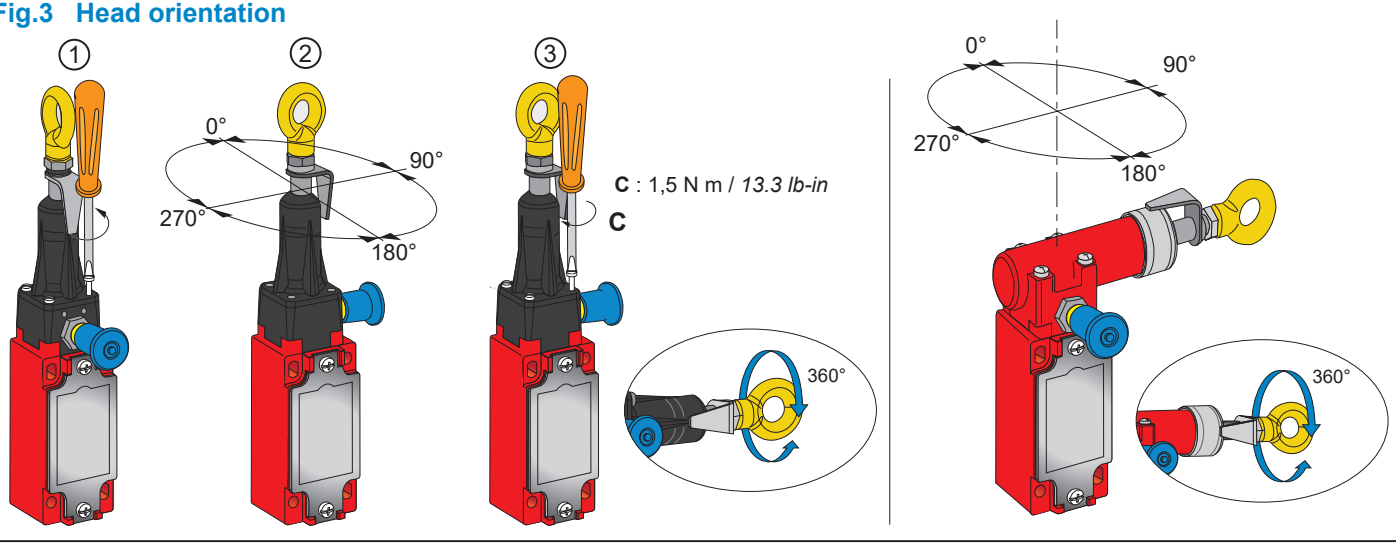


Fig.3 Head orientation



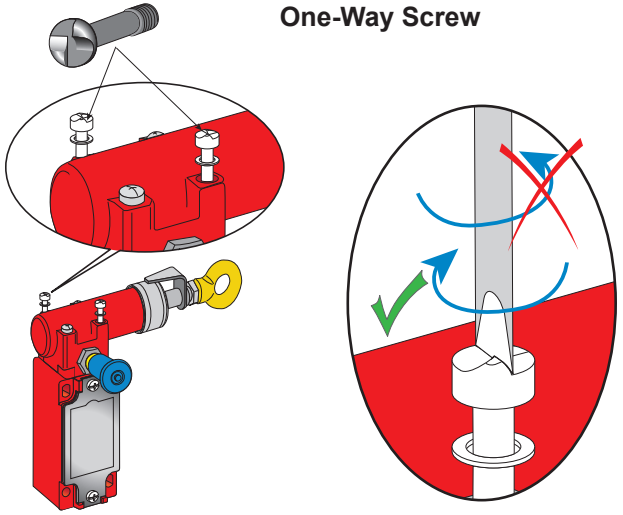


Fig.4 Setting

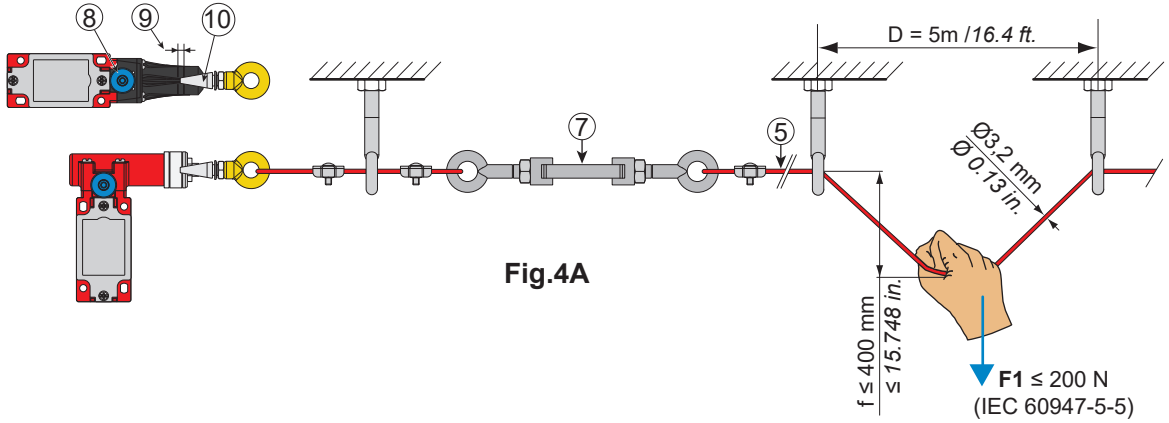


Fig.4A

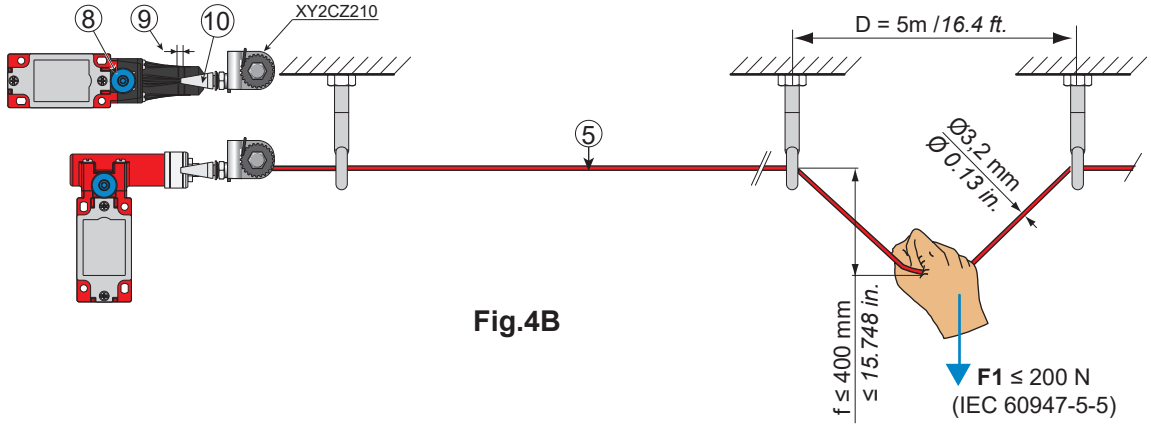


Fig.4B

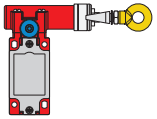
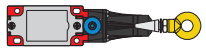
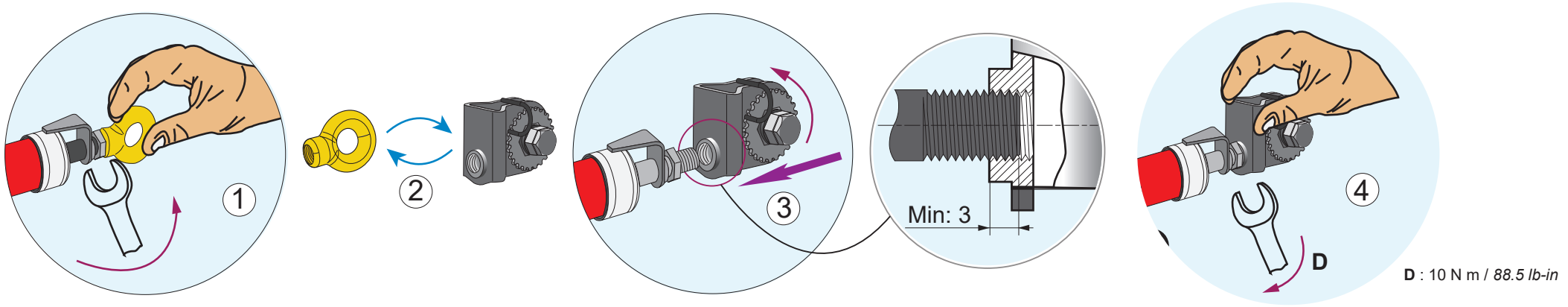
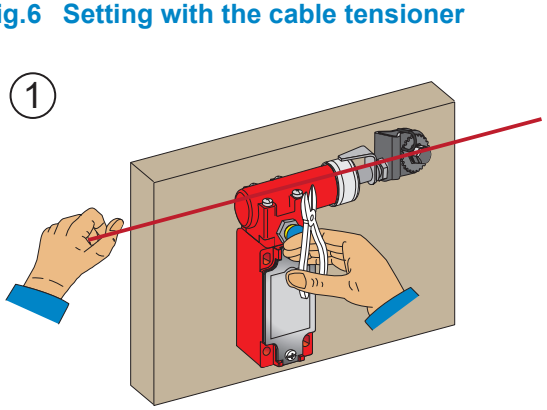
D=5m / *16.4ft.*	F1 (N)	f (mm / *in.*)
	45	215 / *8.46*
	49	255 / *10.04*

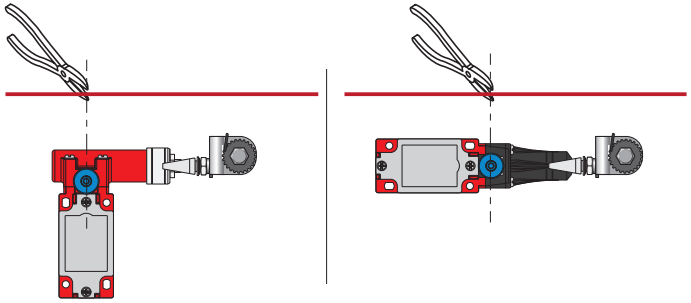
Fig.5 Replacement of the ring by the tensioner

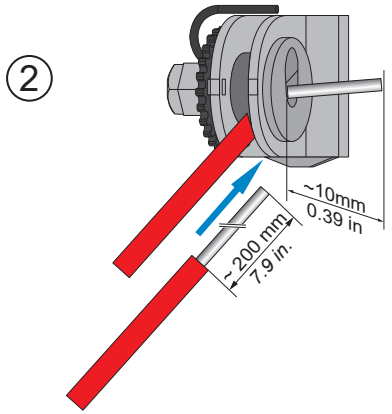


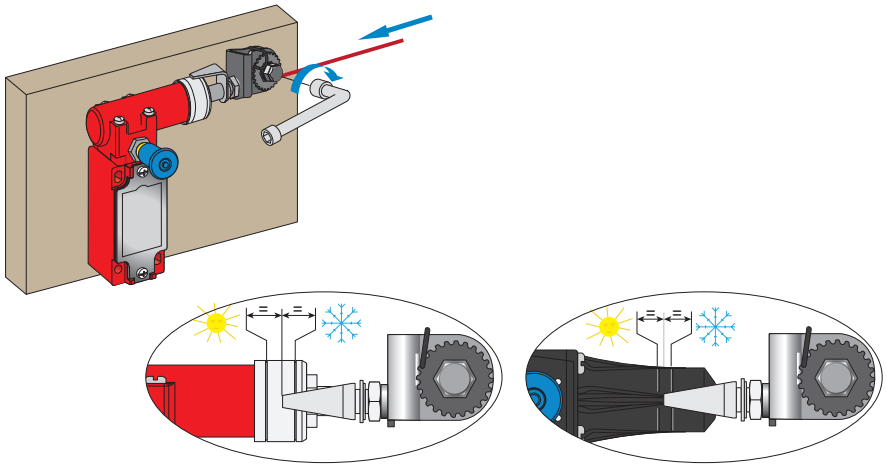
D : 10 N m / *88.5 lb-in*

Fig.6 Setting with the cable tensioner









4 Cable loosening or dismantling

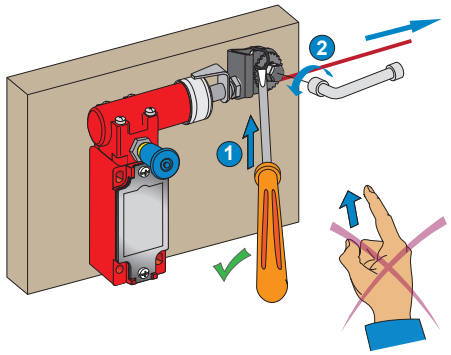
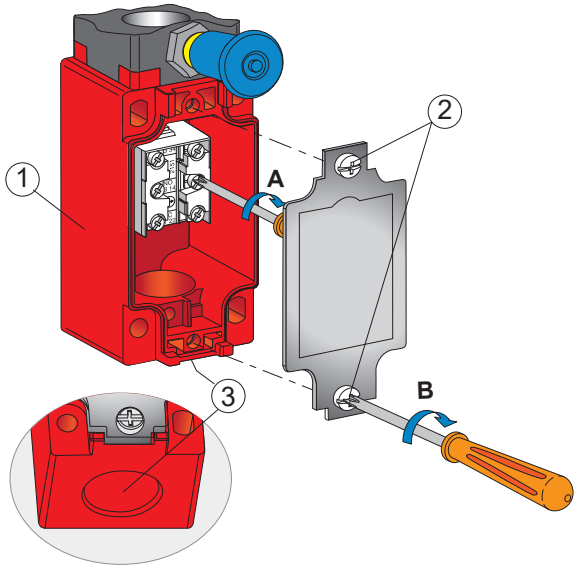
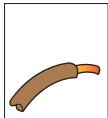


Fig.7 Wiring



NC + NO
NC + NC
NC + NC + NO

	min:1 x 0,5 mm^2 (AWG 20) max: 2 x 1,5 mm^2 (AWG16)
	min: 1 x 0,34 mm^2 (AWG22) max: 1 x 1 mm^2 (AWG18) or 2 x 0,75 mm^2 (AWG19)

0,8 Nm *(7.1 lb-in)* ⩽ **A** ⩽ 1,2 Nm *(10.6 lb-in)*
B : 0,8Nm +/- 0,1 *(7.1lb-in. +/- 0.9)*

Fig.8 Cable installation with déflection (angles)

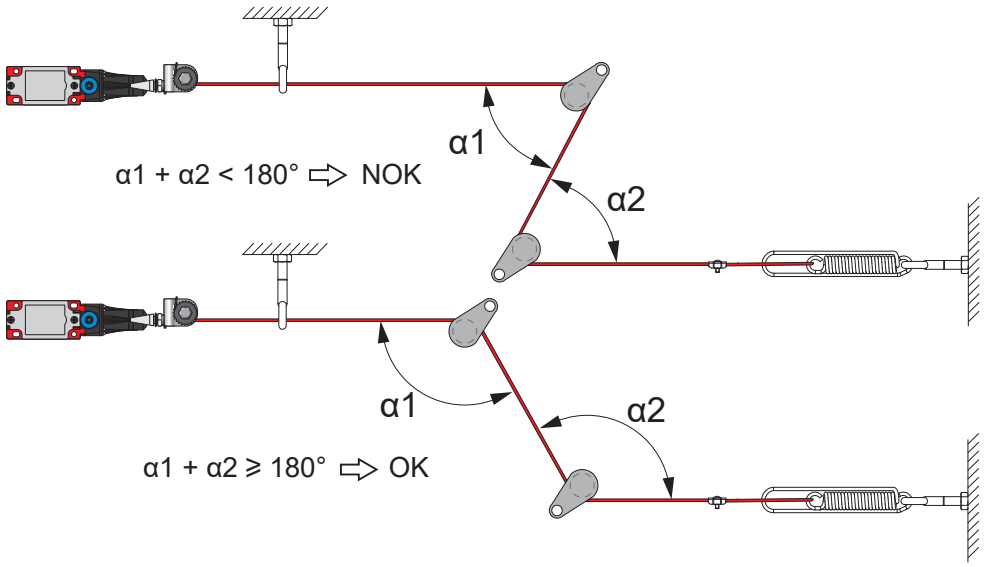
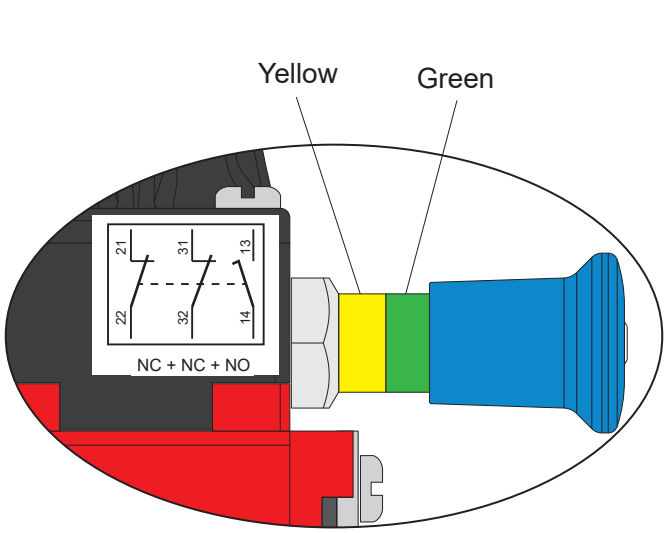
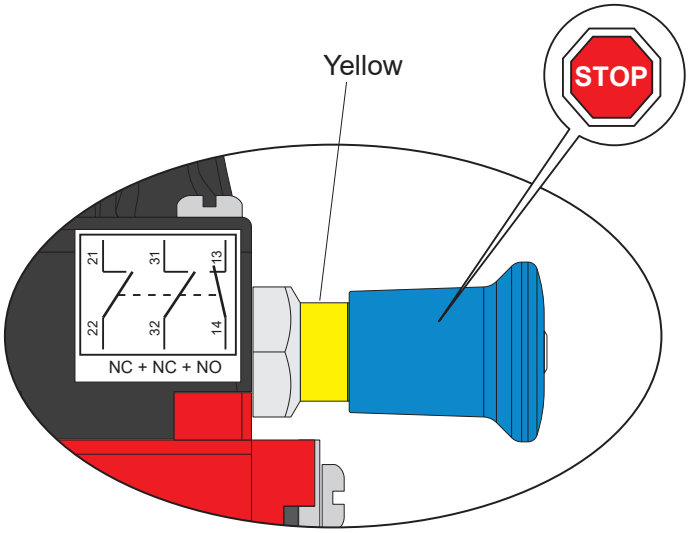


Fig.9 Signaling of the tripping





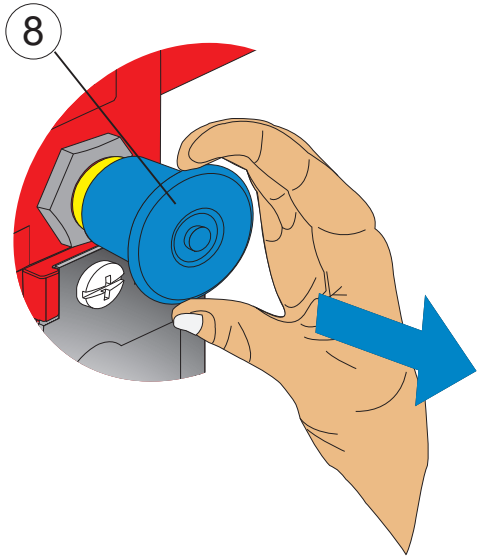
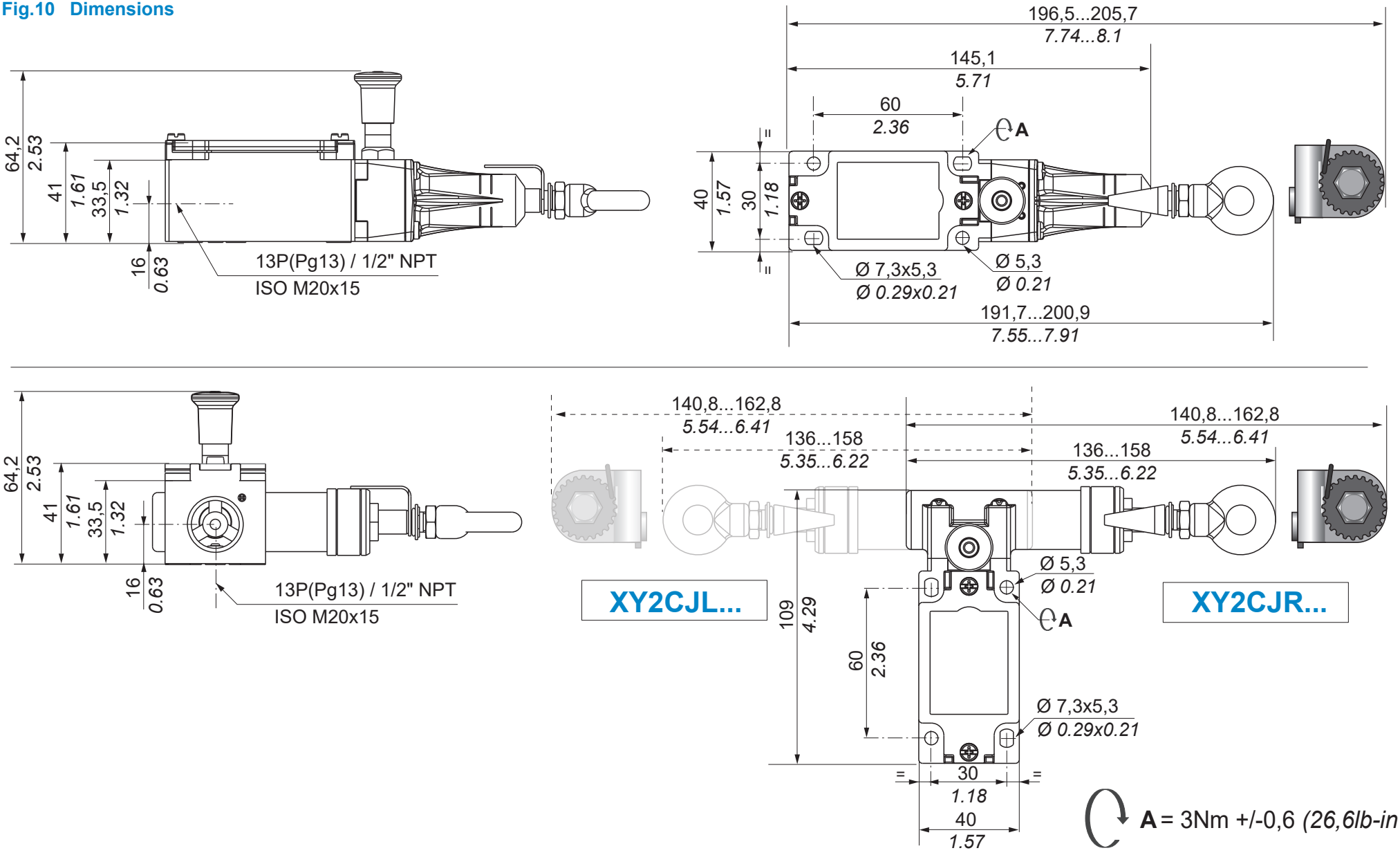


Fig.10 Dimensions



EMERGENCY STOP ROPE PULL SWITCHES

Mechanical endurance : 100000 operating cycles

⚠ DANGER

RISK OF PHYSICAL INJURY
- Inspect the cable in its entirety to identify the reason for the emergency stop order before restarting.
- Remove the cable before dismantle the XY2CJ product.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

RISK OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH
- Switch off the power supply of the element acting as support.
- Switch off the power supply of the device.
- Take care not to damage the parts of the support that are normally powered.
- Visually inspect the good condition of the product.
- Use appropriate personal protective equipment (PPE) and follow the relevant working instructions for electrical environments. (see NFPA 70E).
- Always use an appropriate electrical measuring device to confirm that the entire installation is powered down.
- Use an IP65 or IP66 or IP67 cable gland and a plastic nut, according to the need.
- Protect the installation against power surges.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

RISK OF UNINTENDED EQUIPMENT OPERATION
- Use Telemecanique Sensors accessories only.
- Do not use another body than the one delivered with the complete product.
- Ensure that the product is anchored along the same axis as the cable.
- Mount the product to its support using 4 screws.
- Always use an end spring for conveying applications.
- Place the cable guides no less than 1 meter (*3.28 ft.*) and no more than 5 meters (*16.4 ft.*) apart from each other.
- Strip the cable at the cable clamp points.
- Remove all objects placed on the cable or masking it.
- Ensure that the cable is free to move.
- Ensure that the cable is accessible along the entire traction zone.
- Ensure that the reset button zone remains empty.
- Check that none of the device components is deformed by an electrical cable once the cover is closed.
- Check that the cover is securely closed.
- Check that the device, cable and accessories are securely mounted in place.
- Check the product installation, setting and functioning according to the information which are in this instruction manual.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

RISK OF FALL, COLLISION OR CRUSHING
- Secure the cable traction zone.
- Do not pull on the cable while adjusting the cable tightness.
- Configure the device on the basis of the ambient temperature.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

● Installation (fig. 1)

NOTICE

IMPROPER INSTALLATION OR INOPERABLE EQUIPMENT

Check the right orientation / position of the head BEFORE tightening the 2 one way screws : Impossible to dismount the product head (Fig.3).

Failure to follow these instructions can result in equipment damage.

1. Screw the 4 head screws
2. Mount the device ① solidly to a rigid support using 4 cylindrical head screws M5 through holes ② (tightening torque = 3±0,6 N.m / *2.21±0.44 lb.ft*).
3. Mount the cable guides ③ firmly to rigid elements.
4. Attach the end spring ④ to a rigid element.
5. Connect the cable ⑤ to the end spring ④ using a cable clamp ⑥.
6. Pass the cable ⑤ through all the cable guides ③.

Turnbuckle use

A. Connect the cable ⑤ to the turnbuckle ⑦ using a cable clamp ⑥

B. Connect the turnbuckle ⑦ to the device ① with a portion of cable ⑤ by passing it through a cable guide ③ and using cable clamps ⑥

C. Tighten the cable ⑤ by turning the turnbuckle ⑦.

Tensioner use

A. Unscrew the front ring XY2CZ601 and replace it by the tensioner XY2CZ210 **(fig. 5)**

B. Strip the cable 200 mm / *7.87 in.* and pass it into the tensioner and then rotate the tensioner **(fig. 6)**.

NOTE : The list of accessories and springs can be found in the Telemecanique Sensors catalog. The diagrams show a "right-anchored" device: reverse the diagrams for a "left-anchored" device. A support or element may be described as "rigid" if it is capable of supporting a load of 2,000 N in all directions of solicitation.

● Setting (fig. 4A ou 4B)

4A.

1. Use the turnbuckle ⑦ to tighten the cable ⑤ until the index ⑩ is between the marks ⑨
2. Arm the device by pulling on the button ⑧ : a "click" will sound and the green label must be completely visible **(fig. 9)**.
3. Trip the device by pulling on the cable ⑤
4. Repeat the steps 1 to 4 until to get a stable system setting.

4B.

1. Use the tensioner XY2CZ210 to tighten and adjust the cable ⑤ until the index ⑩ is between the marks ⑨ **(fig. 6 :** 1 à 4**)**.
2. Arm the device by pulling on the button ⑧ : a "click" will sound and the green label must be completely visible **(fig. 9)**.
3. Trip the device by pulling on the cable ⑤
4. Repeat the steps 1 to 4 until to get a stable system setting.

NOTE: - The diagrams show a "right-anchored" device: reverse the diagrams for a "left-anchored" device.
- You can compensate for expansion/contraction of the cable by adjusting the configuration to take account of temperature variations.

● Wiring (fig. 7)

1. Remove the cover from the device ① by unscrewing the two screws ②.
2. Remove the cap ③.
3. Attach the cable gland (not supplied).
4. Connect the electrical cables to the yoke screw terminals (tightening torque = 1±0,2 N.m / *0.73±0.15 lb.ft*).
5. Mount the cover onto the device ① using the two screws ② (tightening torque = 0,8±0,1 N.m / *0.59±0.07 lb.ft*).

NOTE : Install a type gG protective fuse : NC+NO / NC+NC = 10A et NC+NC+NO / NO+NO+NC = 6A

● Maintenance

The XY2CJ and its cable and accessories must be periodically checked depending on the outside pollution level and the mechanical cycles.

NOTE : During periodical maintenance phase, check:
•At least once a year, the tightening torque of the screws and XY2CJ components, and of the other accessories (tensioner, turnbuckle, cable clamp, cable guide…).
•The good state of the cable and its linked components (tensioner, turnbuckle, cable clamp, cable guide…).
The cable sheath can be worn but this wearing must not block the movement of the cable in its accessories. If the cable sheath is damaged, change the cable.

● Dismantling / Recycling

NOTE : The internal mechanism and electrical contact blocks are fitted with springs that may cause spatter of parts

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.
No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.