

ifm electronic



Operating instructions
Rope Tension Kit

UK

ZB0054 / ZB0055
ZB0056 / ZB0057
ZB0058 / ZB0059
ZB0060

7390879 / 00 03 / 2011



1 Preliminary note

- An instruction is indicated by „►“. Example: ► Mount the unit as shown.
- A reaction to the action is indicated by „>“.



Important note

Non-compliance can result in malfunction or interference.



Information

Supplementary note.

2 Safety instructions

- Please read the operating instructions prior to set-up of the device. Ensure that the product is suitable for your application without any restrictions.
- Improper or non-intended use may lead to malfunctions of the unit or to unwanted effects in your application.
- Installation, set-up, operation and maintenance of the unit must only be carried out by qualified personnel authorised by the machine operator.

3 Items supplied

Description	Rope	Eyebolts	Tensioner	Allen Key
ZB0054	5m	3	1	1
ZB0055	10m	5	1	1
ZB0056	20m	9	1	1
ZB0057	50m	20	1	1
ZB0058	80m	30	2	1
ZB0059	100m	37	2	1
ZB0060	126m	45	2	1

4 Installation

Installation of the rope and setting of the pull force are extremely simplified using the stainless steel rope tension kit. Just push the end of the rope through the holes on the rope tensioner and tighten with the Allen screw. Then set the correct pull force via the setting thread. **Advantage:** This setting is directly made on the safety rope e-stop switch so that the adjustment for the correct rope tension is directly indicated on the rope status display of the switch. Insert the free end of the rope into the intended clip.



1.



2.



3.



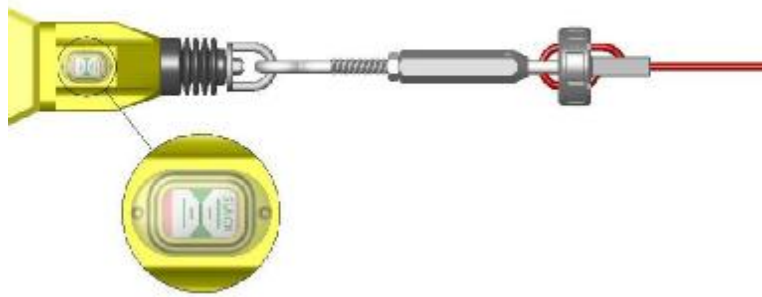
4.



5.



6.



Tension the rope to mid position as indicated by the green arrows.



Tensioner: tensile strength up to 1500N. Just mount and adjust the rope at the ends.

If the rope is shorter, it can also be fastened using a safety spring on one end. Pulleys may only be mounted so that the whole rope length is visible and accessible.

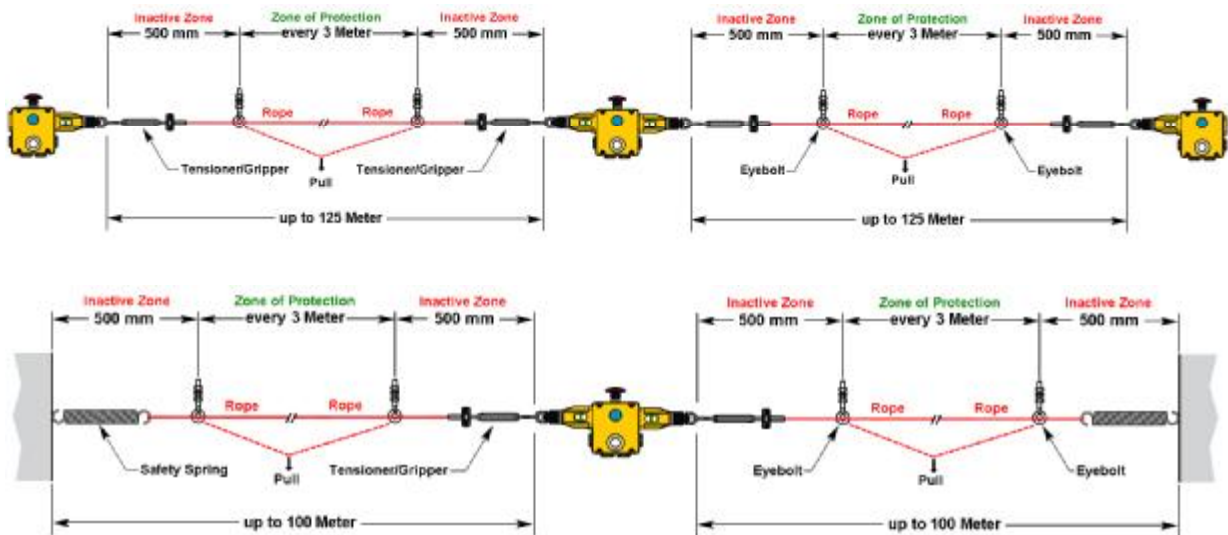


Safety spring

Stainless steel pulley for correctly reversing the direction of the rope. Suitable for inside and outside installation of the rope.



Eye bolts have to be installed between the switches across the whole length of the rope at a distance of min. 2.5m to max. 3m. The rope must be mounted at a distance of max. 500mm of the switch eye bolt or the tension spring (if it is used). It is **important** to note that the first 500mm cannot be used as part of the active protected area (E-stop triggering).



Installation of the components

5 Accessories

ZB0061: Safety spring, stainless steel, 220 mm

ZB0062: Pulley

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