

# Rope pull emergency stop

## i110 RP



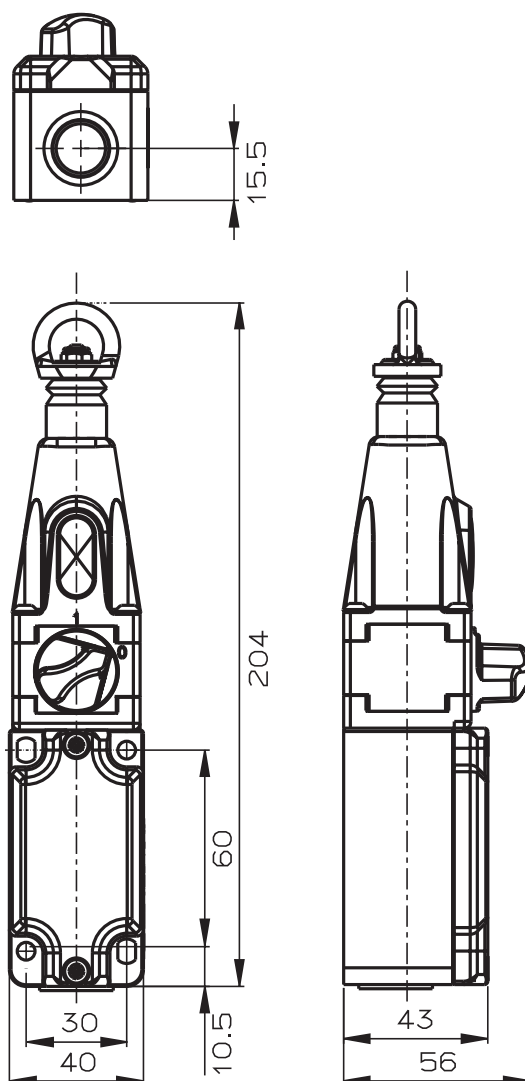
The i110 RP Rope Pull emergency stop switch saves critical time in emergencies by providing a means of shutting down the machinery at any point along the cable's length. The i110 RP series is in compliance with EN 481 requirements (Machinery safety - emergency stopping control devices). Such devices are designed to provide the operator with the option to activate an emergency stop in any area of the equipment, without having to move toward the control area or platform where the emergency panel is located.

This versatile emergency stop device can accommodate cables up to 30 m long, has an integrated manual reset

function (blue knob) and cable tension indicator located at the center of the metal housing. The cable coupler and innovative tension system considerably reduces the assembly time during the installation phase, as compared to traditional stopping systems.

The i110 RP is designed to compensate for potential thermal expansion. Several models are available- 3 NC + 1 NO or 2 NC + 2 NO as well as a wide range of accessories. The i110 RP is ideal for use along conveyor lines or around the perimeter of large manufacturing machines, such as web process lines, robotic work cells and roll-forming equipment.

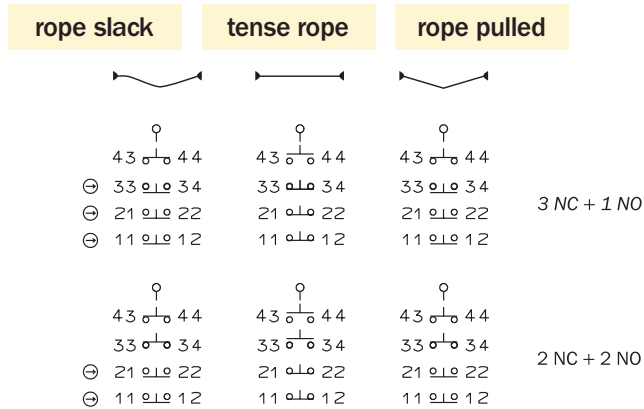
## Drawings



## Technical specifications

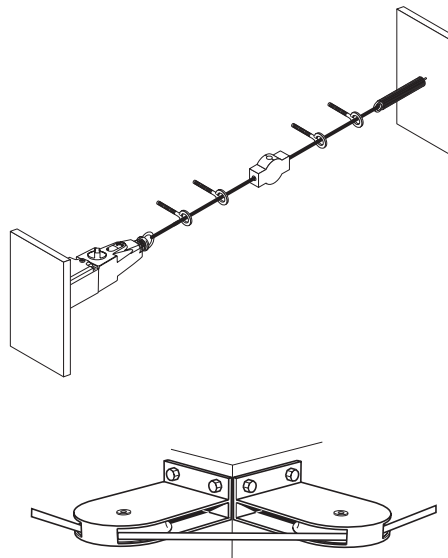
	i110 RP
Housing material	die-cast light alloy
Rope hooks	stainless steel
Environmental protection to IEC 60 529	IP 66
Mechanical service life	10 <sup>6</sup> switching operations
Ambient temperature	-25...80° C
Mounting position	optional
Connection type	M 20
Actuating force (min.)	> 125 N (deflection 300 mm)
Frequency of use	1 cycle/second
Contact elements positively guided NC/NO contacts	3/1 or 2/2
Rated insulation voltage	V <sub>i</sub> = 250 V
Utilization category to IEC 60 947-5-1	AC 15/AC: 2 A (250 V), 5 A (100 V) DC 13/DC: 0.40 (250 V), 2 A (24 V)
Switching voltage (min.)	5 V
Switching current (min.) at 5 V dc	5 mA
Wire cross-section	1 X 1.5 mm <sup>2</sup>
Short-circuit protection	T6
Certifications	CE, cULus, TÜV

Switching elements



Installation notes

Place the safety interlock and the cable so that the cable can be activated from any direction to safely stop the machine. The cable activation should cover the entire work area. Before pressing the reset button, the entire length of the cable should be visible. Use the tension springs whenever the application requires a particularly long cable. Use the appropriate hooks in places where the cable needs to turn at an angle.



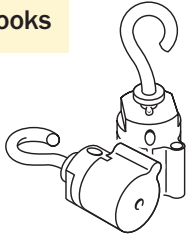
Product selection table

Model	Rope	Contacts		Connector M 20	Part number
		NC	NO		
i 110-	RP	3	1	3	6 025 076
i 100-	RP	2	2	3	6 025 077

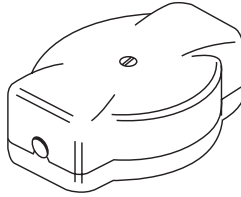
We recommend contacting Customer Service for product selection.

**Accessories**

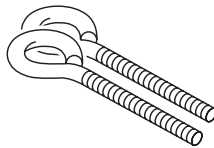
**Hooks**



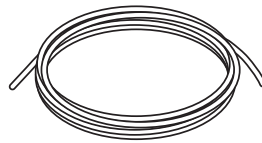
**Tensioner**



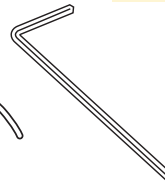
**Eyebolts**



**Rope**



**Allen key**



**Cable sets**

Model	Rope	Cable length				Part number
		5 m	10 m	20 m	30 m	
iE110-	P	05				5 311 136
iE110-	P		10			5 311 137
iE110-	P			20		5 311 138
iE110-	P				30	5 311 139

Each of the items listed above include cable, tensor, eyebolts, and hooks.

**Replacement parts**

Model number	Description	Part number
iE110 - PL 100	length of rope 100 m	5 310 814
iE110 - PTR	tensor, 2 cable terminals, socket head screw	5 309 034
iE110 - PL 30	rope 30 m	5 310 813
iE110 - PEB	eyelets (with nut and washers)	5 309 035