



## i150RP

Safe rope pull switch over extra large distances for stopping a machine

**SICK**  
Sensor Intelligence.



### Technical data overview

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| <b>Switch type</b>                  | Rope pull switch                                                       |
| <b>Positive action N/C contacts</b> | 2 / 3 (depends on variant)                                             |
| <b>N/O contacts</b>                 | 0 ... 2 (depends on variant)                                           |
| <b>Housing material</b>             | Metal                                                                  |
| <b>Enclosure rating</b>             | IP65 (IEC 60529)                                                       |
| <b>Connection type</b>              | Cable gland, 3 x M20 / plug connector, M12, 4-pin (depends on variant) |

### Product description

The i150RP rope pull switches ensure that dangerous movements are reliably stopped over distances up to 75 m. The rope is connected to the rope pull switch for optimum safeguarding of hazardous points that are not protected by safety covers, e.g., conveyors. In the working position, the rope is under tension and the safety-relevant contacts – the positive opening normally closed contacts – are closed. The contacts are opened by a pull on the rope or if the rope breaks, the emergency stop function is triggered. Actuation is possible at any point along the rope.

### At a glance

- Rope lengths up to 75 m, with rope break and rope pull function
- Metal housing with integrated emergency stop push button and tension display
- Rotary unlocking lever
- Available with M20 X 1.5 cable entry gland or Flexi Loop compatible M12 plug connector (depending on variant)
- Slow-action switching elements with four contacts

### Your benefits

- The emergency stop function can be triggered at any point along the rope
- The long rope length reduces the number of rope pull switches, which saves costs
- Simple adjustment of the rope tension
- Rugged metal housing offers a high level of protection for the rope pull switch
- Integrated emergency stop pushbutton allows users to trigger the emergency stop function at the end of the rope
- User-friendly systems available with many rope lengths
- Additional contacts provide quick and easy diagnostics
- With Flexi Loop: safe series connection including diagnostics with minimal wiring effort

### Fields of application

- Use on machines and systems that do not have any physical guards
- Safeguarding large areas, such as conveyor belts, assembly lines or feed systems

### Ordering information

Other models and accessories → [www.sick.com/i150RP](http://www.sick.com/i150RP)

- **Maximum cord length:** ≤ 75 m

| Positive action N/C contacts | N/O contacts | Connection type Detail     | Safe series connection                          | Type       | Part no. |
|------------------------------|--------------|----------------------------|-------------------------------------------------|------------|----------|
| 2                            | 0            | Plug connector, M12, 4-pin | With Flexi Loop (with diagnostics)              | i150-RP224 | 1064511  |
|                              | 2            | Cable gland, 3 x M20       | None, only individual wiring (with diagnostics) | i150-RP223 | 6024884  |
| 3                            | 1            | Cable gland, 3 x M20       | None, only individual wiring (with diagnostics) | i150-RP313 | 6024883  |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)