SAFE optoelectronic safety devices

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olectrouic

safety light curtains hand, finger and body protection PL e · SIL 3 category 4 · all around protected for highest safety

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ipf safety light curtains

The new generation of opto-electronic safety equipment is an effective and cost saving alternative to conventional mechanical safety devices. Occupational health and personal safety have top priority in automated production and manufacturing processes.

Accident prevention curtains provide an invisible protection field made up of infrared beams. These can be used to make access to hazardous areas and hazardous places safe.

safety light curtains

catogory 4 finger protection

Light curtains are available with protection field heights of 150 to 1800mm, a resolution of 14mm and an operating distance of up to 6m.

catogory 4 hand protection

Different models are available with protection field heights of 150 to 1,800mm. These models have a resolution of 30mm and an operating distance of up to 19m is guaranteed.

category 4 body protection

Different models are available with protection field heights of 500, 800, 900 and 1,200mm. The number of light axes varies between 2 and 4, according to the model. This enables an operating distance of up to 50m.

configuration

The receiver connection (**OY32**) provides you with a very easy and quick way to set devices.

With the **OY36**, the configuration takes place via special DIP switches which are housed behind a cover that is arranged on the front. This cover can be opened with a commercially available screwdriver. This way, configure the system according to your safety requirements.

The system enables you to make a functional selection EDM function and manual or automatic restart. With help of the EDM function, it is possible to monitor how the signal converter works.

> Following a disruption to the protection field, it is possible to restart the safety light curtain in two different ways:

- 1. Automatic restart: The safety light curtain will go back to its normal function as soon as the protection field is free again.
- 2. Manual restart: When the protection field is free, the reset button has to be actuated in order to return the safety light curtain to the normal operational mode.







quick an easy mounting

Without problems, simply mount the exceptionally compact and stable housing (aluminium) in every machine using the enclosed brackets. The safety light curtains can be twisted by means of additionally available mounting brackets. The system is highly shock resistant / vibration resistant.

conforming to standards



rator optimum real protection industrial safety applications. The equipment is TÜV-tested.

LED displays

Receiver: LED »normal operation«: green »safe«: red LED »high align«: yellow LED »low align«: yellow The meaning of the LED on the receiver depends on the mode of operation.

Transmitter:

LED »normal operation«: yellow LED »power on«: green





simply connect and you're ready

Reverse polarity protection via a M12-connector: The transmitter is connected by a 4-pin connector and the receiver is connected by an 8-pin connector.



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Subject to alteration!