Safety devices Safety against entrapment

Power-operated doors and grilles which can lift persons have to be safeguarded according to EN 12453, section 5.1.2 to avoid crushing, shearing and drawing-in-points. The "Raytector" safety device against entrapment belongs to this category of AOPD¹¹ with following functions:

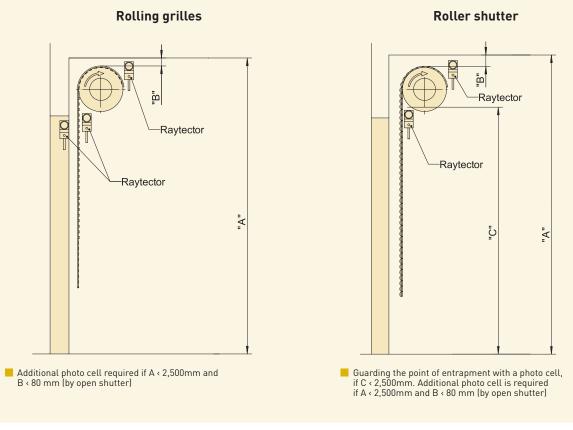
- Detection of presence (Safety photo cells according to IEC 61496-2)
- Evaluation and monitoring (Evaluator)
- Output Switching Signal Device OSSD² (Evaluator)

The system full fills the requirements of safety category 3 according to EN ISO 13849-1

Description of functions:

The photo cell transmitted pulsed infrared light, which is detected by the corresponding receiver. This generates a dynamic signal, which is identified and evaluated by the control unit. If the signal remains off, e.g. due to interruption of the light cell, a stop command is immediately generated. The transmitter/receiver system adjusts itself automatically over a range of up to ten metres.

Examples



1) AOPD = active opto-electronic protective device

2) OSSD = output signal switching devic

Raytector protection against drawing-in

0	Designation		Description	Part no.
<image/>	Complete Raytector system	0	For door controls TS 959 / TS 970 / TS 971	30004528
			Consisting of: Evaluator OSE 2300 supply voltage 230 V AC, IP54 Safety photo cell, 2 pairs (2 transmitters / 2 receivers) self-regulating, each with 10,5 m cable Supply voltage 12 V DC, IP54 with fixing items	
	Complete Raytector system	2	For door controls TS 981 evaluation integrated in TS 981	30004628
			Consisting of: Safety photo cell, 2 pairs (2 transmitters / 2 receivers) self-regulating, each with 10,5 m cable Supply voltage 12 V DC, IP54 with fixing items	
	Individual parts			
6	Evaluator OSE 2300	8	Supply voltage 230 V AC, IP54	40015028
	Safety photo cell	0	1 pair (1 transmitter / 1 receiver) self-regulating, each with 10,5 m cable Supply voltage 12 V DC, IP54 without fixing items	30004680
	Mounting kit	6	For Safety photo cell	40014452