



PSENopt safety light curtains and light grids

pilz

Use safe PSENopt light curtains and light grids to safeguard danger points and danger zones in which the production process requires active intervention. PSENopt provides finger and hand protection in accordance with EN/IEC 61496-1/-2. The new PSENopt light grids are an effective and cost-saving alternative to conventional mechanical guards when workflows require operators to encroach into the danger zone or with automatic material flow.

Combined with the control technology from Pilz, you receive a safe, complete solution.

Your benefits at a glance

- ▶ Ergonomic workstation design in comparison to mechanical guards
- ▶ Maximum safety, as they are tested and approved in accordance with EN/IEC 61496-1/-2
- ▶ Operating range up to 19 m
- ▶ Reduced response times
- ▶ Rapid installation and simple maintenance by means of simple connection technology, functional fastening system and ready-made cables
- ▶ Simple commissioning and economical operation due to
 - compact dimensions
 - integrated alignment guide
 - built-in diagnostic function
 - rotating brackets

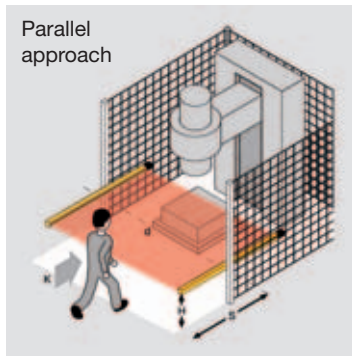
Available from the 2nd quarter of 2009

the spirit of safety

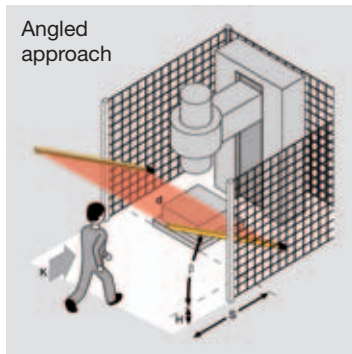
PSENopt safe light curtains and light grids



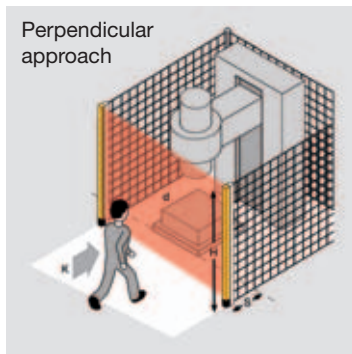
PSENopt op4F-s-14-075/1



Parallel approach



Angled approach



Perpendicular approach

The appropriate PSENopt safe light grid for every application.

Technical features

▶ Safe outputs	2
▶ Resolution	Finger (14 mm) Hand (30 mm)
▶ Approved in acc. with EN/IEC 61496-1/-2	Type 2/Type 4
▶ Functions/features	Test/reset
▶ Height of protected field	150 ... 1800 mm
▶ Operating range	PSENopt op2H: 0.2 ... 19 m PSENopt op4H: 0.2 ... 19 m PSENopt op4F: 0.2 ... 6 m
▶ Light grid reaction time	PSENopt op2H: 8 ... 24 ms PSENopt op4F: 11 ... 50 ms PSENopt op4H: 9 ... 28 ms

Order numbers

Type	Height of protected field	Reaction time	Finger protection	Hand protection
Type 2 H acc. to EN/IEC 61496-1/-2				
▶ PSENopt op2H-s-30-015/1	150 mm	8 ms	-	630 720
▶ PSENopt op2H-s-30-030/1	300 mm	9 ms	-	630 721
▶ PSENopt op2H-s-30-045/1	450 mm	11 ms	-	630 722
▶ PSENopt op2H-s-30-060/1	600 mm	12 ms	-	630 723
▶ PSENopt op2H-s-30-075/1	750 mm	14 ms	-	630 724
▶ PSENopt op2H-s-30-090/1	900 mm	15 ms	-	630 725
▶ PSENopt op2H-s-30-105/1	1 050 mm	17 ms	-	630 726
▶ PSENopt op2H-s-30-120/1	1 200 mm	18 ms	-	630 727
▶ PSENopt op2H-s-30-135/1	1 350 mm	20 ms	-	630 728
▶ PSENopt op2H-s-30-150/1	1 500 mm	21 ms	-	630 729
▶ PSENopt op2H-s-30-165/1	1 650 mm	23 ms	-	630 730
▶ PSENopt op2H-s-30-180/1	1 800 mm	24 ms	-	630 731
Type 4 F acc. to EN/IEC 61496-1/-2				
▶ PSENopt op4F-s-14-015/1	150 mm	11 ms	630 740	-
▶ PSENopt op4F-s-14-030/1	300 mm	15 ms	630 741	-
▶ PSENopt op4F-s-14-045/1	450 mm	18 ms	630 742	-
▶ PSENopt op4F-s-14-060/1	600 mm	22 ms	630 743	-
▶ PSENopt op4F-s-14-075/1	750 mm	25 ms	630 744	-
▶ PSENopt op4F-s-14-090/1	900 mm	29 ms	630 745	-
▶ PSENopt op4F-s-14-105/1	1 050 mm	33 ms	630 746	-
▶ PSENopt op4F-s-14-120/1	1 200 mm	36 ms	630 747	-
▶ PSENopt op4F-s-14-135/1	1 350 mm	40 ms	630 748	-
▶ PSENopt op4F-s-14-150/1	1 500 mm	43 ms	630 749	-
▶ PSENopt op4F-s-14-165/1	1 650 mm	47 ms	630 750	-
▶ PSENopt op4F-s-14-180/1	1 800 mm	50 ms	630 751	-
Type 4 H acc. to EN/IEC 61496-1/-2				
▶ PSENopt op4H-s-30-015/1	150 mm	9 ms	-	630 760
▶ PSENopt op4H-s-30-030/1	300 mm	11 ms	-	630 761
▶ PSENopt op4H-s-30-045/1	450 mm	13 ms	-	630 762
▶ PSENopt op4H-s-30-060/1	600 mm	14 ms	-	630 763
▶ PSENopt op4H-s-30-075/1	750 mm	16 ms	-	630 764
▶ PSENopt op4H-s-30-090/1	900 mm	18 ms	-	630 765
▶ PSENopt op4H-s-30-105/1	1 050 mm	19 ms	-	630 766
▶ PSENopt op4H-s-30-120/1	1 200 mm	21 ms	-	630 767
▶ PSENopt op4H-s-30-135/1	1 350 mm	23 ms	-	630 768
▶ PSENopt op4H-s-30-150/1	1 500 mm	25 ms	-	630 769
▶ PSENopt op4H-s-30-165/1	1 650 mm	26 ms	-	630 770
▶ PSENopt op4H-s-30-180/1	1 800 mm	28 ms	-	630 771



Webcode

0337

Online information at www.pilz.com

Pilz GmbH & Co. KG, Felix-Wankel-Straße 2, 73760 Ostfildern, Germany
Telephone: +49 711 3409-0, Telefax: +49 711 3409-133, E-Mail: pilz.gmbh@pilz.de