

► The world's first UL-certified Type 3 safety light curtains PSENopt II

NEW

The safety light curtains PSENopt II Type 3 are the first in the world to receive certification from the global test organization Underwriters Laboratories (UL) based in Northbrook, Illinois. The certification confirms that the light curtains meet the national safety standards of the United States and Canada. This is beneficial for you as a machine builder, especially if you export to these markets. Furthermore UL certification supports you as a company or user with introducing products and systems into the North American market. This ultimately benefits the end user, as commissioning can take place more quickly.



The safety light curtains PSENopt II Type 3, launched in 2016 as a world first for this safety category, make it straightforward to implement applications with PL d in accordance with EN ISO 13849-1. This saves money because the application does not need to be overdesigned.

Complete one-stop solution

Together with safe control technology from Pilz, and especially the small controllers PNOZmulti 2, PSENopt II units provide a safe and economical one-stop solution for your plant.



Your benefits at a glance

- Certified safety: safety light curtains Type 3 in accordance with EN IEC 61496-1/-2 for applications up to PL d with UL and TÜV certificate
- For finger, hand and body protection, available as Type 3 but also Type 4 safety light curtains
- User-friendly diagnostics via LEDs to reduce downtimes

Flexible use, rapid installation, no dead zones and 50 g shock resistance mean PSENopt II are predestined for use in the rugged everyday industrial environment. They can be connected directly to the decentralized input module PDP67 using the 5-pin connector. High-grade accessories such as post protectors, mirror columns and PSENopt II lockout guarantee trouble-free use.



Safety light curtains – the world's first UL-certified Type 3 light curtains PSENOpt II


PSEN optI3F-s-14-030



Body protection



Hand protection



Finger protection

Type	Common features			Order number
	<ul style="list-style-type: none"> ▶ Compliant and certified in accordance with EN IEC 61508 and EN IEC 61496-1/-2: Type 3 ▶ For applications up to PL d (EN ISO 13849-1) and SIL CL 2 of EN IEC 62061 ▶ Resolution: <ul style="list-style-type: none"> - 14 mm (finger protection) - 30 mm (hand protection) - 170 or 300 mm (body protection) ▶ Operating range: <ul style="list-style-type: none"> - 0.2 ... 8 m (finger protection) - 0.2 ... 18 m (hand protection) - 0.2 ... 15 m or 10 ... 55 m (body protection) ▶ Height of protected field: <ul style="list-style-type: none"> - 150 ... 1 800 mm (finger and hand protection) - 450 ... 1 500 mm (body protection) ▶ No dead zones (except with protected field height 150 mm) ▶ Supply voltage: 24 VDC ▶ Connection: <ul style="list-style-type: none"> - Receiver: 1 x pigtail, M12, 5-pin - Transmitter: 1 x pigtail, M12, 5-pin ▶ Dimensions: 35 x 40 mm ▶ For response times see documentation ▶ Coding "Code A", "Code B", "not coded" ▶ Simple wiring 			
Selection ¹⁾	Resolution	Height of protected field	Range	
PSEN optI3B-s-170-120	170 mm	1 200 mm	0.2 ... 15 m	632 104
PSEN optI3B-s-300-120	300 mm	1 200 mm	10 ... 55 m	632 114
PSEN optI3H-s-30-060	30 mm	600 mm	0.2 ... 18 m	632 023
PSEN optI3H-s-30-090	30 mm	900 mm	0.2 ... 18 m	632 025
PSEN optI3F-s-14-015	14 mm	150 mm	0.2 ... 8 m	632 040
PSEN optI3F-s-14-030	14 mm	300 mm	0.2 ... 8 m	632 041

¹⁾ Please view the full range online at www.pilz.us, e.g. in the E-Shop.
 The light curtains PSENOpt II are naturally also available for Type 4 applications.



Resistant to shock, vibration and collision.



Resistant to cold (down to -10 °C).



Resistant to dust.

High level of robustness to minimize downtimes: shock-resistant to 50 g.

Webcode:
web150418

Online information
at www.pilz.us