

Press Message

New light grids PSENopt II for applications up to PL d - Just the type you need!

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The automation company Pilz is presenting a world first for this industry with the first type 3 light grids: As of now, the new light grids PSENopt II enable applications from the category performance level d (PL d). The new light grid type thereby closes the "type gap" of the revised version of IEC 61496-1. With PSENopt II it is no longer necessary to switch to type 4 when PL d is required. The level that precisely matches the safety requirement can now be implemented with the new light grids. This saves costs in the end as overdimensioning is not necessary.

The standard IEC/EN 61496 for the light barriers, light curtains and light grids only defines types 2 and 4: After modification of the standard, type 2 light grids can now only be used in applications with performance level c, while type 4 light grids can still be used for performance level e. Type 3 is assigned to performance level d and has not been available in a product to date. Users therefore had to switch to type 4 in practice if they wished to satisfy the safety requirement PL d.

Protection against shock ...

The new light grids from Pilz are particularly suited for manual workplaces, the infeed/discharge of material and for the materials handling in robot applications.

With their high shock resistance of 50g, they are ideally suited for

rugged industrial environments. PSENopt II therefore do not only offer increased flexibility with a focus on their application area, but also increase the machine availability as well.

... and long downtimes

As type 3 light grids, PSENopt II offer not only hand protection but also finger protection up to PL d. The light grids work with continuous single beams that completely eliminate the so-called "dead zones". The light barriers can thus move closer to the application. Thanks to the absence of dead zones, users save space in the application.

The light grids increase the availability of the application here: All significant causes or system defects responsible for a machine stop can be evaluated quickly and easily thanks to LEDs. This minimises downtimes.

Protect quickly and economically

Light grids PSENopt II can also be applied flexibly and installed easily with the corresponding assembly aids. Thanks to their 5-pin connection they can be directly connected to the decentralised periphery PDP67. This effectively reduces the commissioning effort. In combination with control technology from Pilz the light grids PSENopt II are a safe and economical complete solution for all industries and application areas.

Further information on the product: [PSENopt II](#)

Pilz is exhibiting at the Hannover Messe in Hall 9, Stand D17 and on the SmartFactory KL stand in Hall 8, Stand D20.

Further information at: www.pilz.com/de-DE/hannover-messe or under the webcode web9481.



Caption:

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