**Press release**

**NEW SAFETY LIGHT CURTAINS / GRIDS**

**WITH ATEX CERTIFICATION**

**FOR ZONE 1 (2G) AND ZONE 21 (2D)**

**Wuppertal, 25. November 2025**. Schmersal has extended its range of optoelectronic protective devices to reliably safeguard access points in potentially explosive atmospheres. With the new EX-SLC/SLG440 series, safety light curtains and safety light grids are now available in an Ex version. This allows the highest safety standards to be combined with proven quality.

There is an increased risk of explosion in numerous production areas, for example in the chemical industry, in refineries or in paint shops where flammable coating materials are processed. Dust can also pose an explosion hazard in sectors where bulk materials are processed - for example in the animal feed or recycling industry, in sawmills or in grain processing plants.

**Ex-SLC440 safety light curtains for finger, hand and body detection**

* ATEX-certified for 2G / D, Zone 1 / 21
* Finger and hand protection with 14 mm and 30 mm resolution
* Body protection for limbs with 2 to 4 beams
* Operating ranges: 0.3 to 20 m
* Dustproof
* Suitable for outdoor use
* Sensors in protective housing with metal caps
* Easy installation and handling with low weight

[**Download**](https://www.schmersal.com/en/press/press-releases/detail-pm/new-safety-light-curtains-grids) **printable photos:**

**Captions**

Copyright: Schmersal Group

Note: Reprint free of charge – please send a voucher copy.



**20251125\_ EX-SLC\_SLG440\_01.jpg**

The SLC/SLG440 safety light curtains and safety light grids in Ex design were developed for these demanding areas of application. The optoelectronic protective devices can be used in particularly explosive gas and dust atmospheres in zones 1 / 21 to protect hazardous points.

**Contact:**

Anke Siebold-Laux

Phone: + 49 202 6474-895

[asieboldlaux@schmersal.com](mailto:asieboldlaux@schmersal.com)

K.A. Schmersal GmbH & Co. KG

Möddinghofe 30

42279 Wuppertal

**The Schmersal Group**

In the demanding field of machine safety the Schmersal Group is one of the international market and competence leaders. Based on the world's most comprehensive product portfolio of safety switching devices, the group develops safety systems and safety technology solutions for the special requirements of various user industries. Schmersal's solutions include the tec.nicum business division and its comprehensive range of services.

The company was founded in 1945, and is represented by eight manufacturing sites on three continents and with its own companies and sales partners in more than 60 countries. The Schmersal Group employs around 2,000 people.

[**www.schmersal.com**](http://www.schmersal.com)

[**www.tecnicum.com**](http://www.tecnicum.com)

If you would like to unsubscribe from our press mailing list and no longer receive press releases from Schmersal, simply click on this link:

Further information concerning the data protection policy of K.A. Schmersal GmbH & Co. KG can be found at [here](http://www.schmersal.com/datenschutz/)