

PRESS RELEASE

Work safely in potentially explosive areas

Schmersal presents new safety light curtains/grids in Ex design

Wuppertal, 13 June 2023. The Schmersal Group has expanded its range of optoelectronic protective devices with a series of safety light curtains/grids in Ex design. The new EX-SLC/SLG440 series is designed in the ignition protection types EX d (gas atmospheres), EX t (dust atmospheres) and EX op is (optical radiation) and is thus especially suitable for access protection of potentially explosive areas in industrial production - namely for zones 1 and 21.

There is an elevated risk of explosion in many areas of manufacturing, such as in the chemicals industry, in refineries or paint shops where flammable coatings are being used. In industries that process bulk materials, such as in the animal feed or recycling industries, as well as in sawmills and plants that process cereals and grains, there is a risk of dust explosion and the occasional formation of a potentially explosive dust cloud during normal operation.

Schmersal has developed the SLC/SLG440 safety light curtain/grids in Ex version precisely for these applications. These devices can be installed in potentially explosive gaseous and dusty atmospheres of zones 1/21 and 2/22, category 2GD and are used to

protect hazardous areas and machine access. When one or more of the beams is interrupted, hazardous movements are brought to a halt.

The series is ATEX certified and further certification – IECEx, INMETRO and CCC Ex – are due to follow. The sensor system is accommodated in a protective enclosure made from non-breakable glass.

Ex-SLC440 safety light curtains for finger, hand and body detection are available in versions with a resolution of 14 and 30 mm as well as ranges of between 0.3 and 20 m. Ex-SLG440 safety light curtains are suitable for access control to hazardous areas. The waterproof and dustproof devices achieve IP66 and IP67 protection class and also have the capability to be used outside.

Photo in print quality for download:

https://products.schmersal.com/media/images/PHO_PRO_PRE_kxslc4f03_SALL_AINL_V1.jpg

Image caption:

Suitable for gaseous and dusty atmospheres of zones 1/21 and ignition protection type op is: the new SLC/SLG440 series of safety light curtains/barriers in Ex design.

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About the Schmersal Group

The Schmersal Group is an international market and expertise leader in the challenging field of machine safety. With the world's most comprehensive range of safety switchgear products, the Schmersal Group develops safety systems and solutions for special requirements in a variety of user industries. Schmersal's tec.nicum business division offers a comprehensive service portfolio to complement the range of solutions offered by Schmersal.

Founded in 1945, the company is represented by seven manufacturing sites on three continents with its own companies and sales partners in more than 60 countries. The Schmersal Group employs more than 1900 people worldwide.

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