

Safety light curtains and light grids with integral muting function

For the safeguarding of hazard areas

SCHMERSAL

The new safety light curtains and light grids in the series SLC/SLG 415, which are being presented by Schmersal EOT at the Hannover Fair, supplement the existing range and are highlighted by the integration of the muting function.

Muting means that, in conjunction with additional sensors, optoelectronic guard devices are able to differentiate between persons and materials. Conveyed materials are recognised by these sensors as such and can pass through the protection field, because the safety light curtain or light grid is bypassed according to requirements during this period. However, if an operator wants to enter the hazard area, the protection device causes the machine to stop or brings the hazardous motion to a standstill.

With the safety light curtains and light grids in the series SLC/SLG 415 the muting function is fully integrated. Easier fitting and adjustment significantly reduce the installation effort - consequently, applications which require muting can be solved in a substantially more flexible and effective way than before. The systems are available in the I, L and T forms. With the I form two or more muting sensors (e.g. reflection light barriers) can be directly connected to the light curtain. With the L and T versions the muting sensors are also integrated into the system.

The safety light curtains are available in various resolutions and protection field heights from 310 mm to 1800 mm. The safety light grids are available with two, three or four beams.



The complete series has been prototype tested and conforms to type 4 according to IEC 61496-1 and -2. It is full equipped: The operating status is signalled by indicating LEDs and the functions of the manual restart and contactor control are also integrated. Furthermore, extensive accessories (mounting brackets, vibration absorbers, ...) enable the protective devices to be adapted exactly to the application.

Safety in system. Protection for man and machine.

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