Overview

The SLC440COM Series is a version of the SLC440 Type 4 safety light curtains and grids designed without the 7 segment display or many of the integrated functions, offering only automatic and re-start modes. This series offers a cost effective option to machine builders and manufacturing facilities to select an appropriate safety light curtain for an application that may not need the functions integrated in the standard SLC440 series.

A major benefit of the SLC440COM is the zero dead space design which provides customers with a full protected height for the entire length of the light curtain. This is ideal for applications with space limitations or that require full length protection.

Operating status is clear and can be seen from a distance. The end cap of the receiver unit is molded from a semitransparent plastic that is illuminated by LED. It shows green for proper operation, solid amber for reset status , and red for a fault. Additionally, ease of alignment is provided by flashing amber on the end cap at different pulse frequency.

The SLC440COM series features a one-piece extruded reinforced housing in a compact 28 mm x 33 mm rectangular profile. This housing profile has proven to be less susceptible to mechanical damage and misalignment from torsion or bending.

Options are also available for the SLC440COM to be factory sealed within an IEC 60529 IP69 rated enclosure. This allows the curtains to be used in areas where they may be exposed to high pressure or high temperature wash downs or ECOLAB approved cleaning agents.

SLC440COM Safety light curtains are used for the protection of hazardous areas, and are available with resolutions of 14, 30, or 35 mm and protection field heights between 330 and 1930 mm. They are also available for perimeter guarding as safety light grids (SLG440COM) with 2, 3, or 4 beams. The series is suited for use in safety circuits up to PLe (EN 13849) or SIL3 (IEC 61508).

Applications

- Power-driven machines
- Power presses for the metal and plastics industry
- Folding or brake presses
- Filter presses
- Punching machines
- Robot cells
- Welding booths
- Printing machines
- Injection molding
- Materials handling
- Palletizers
- Packaging equipment

Available Literature

Optoelectronic Devices Catalog

Features

- Protection height runs full length
- IP69 rated enclosure option for wash down applications
- Output and reset status LED endcap
- Rugged closed housing profile
- Bluetooth™ interface and SLC Assist app

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Contact

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Ordering Details

SLC440COM-ER (w/ IP69 Enclosure)

1. Protection Height: (mm)
   - 0330 0410 0490 0570
   - 0650 0730 0810 0890
   - 0970 1050 1130 1210
   - 1290 1370 1450 1530*
   - 1610* 1690* 1770* 1850*
   - 1930*

2. Resolution: (mm)
   - 14 with range: 0.3 m to 7 m (* 6 m)
   - 30 with range: 0.3 m to 10 m
   - 35 with range: 0.3 m to 7 m (* 6 m)

Mounting hardware included

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