SCHMERSAL MUTING APPLICATIONS
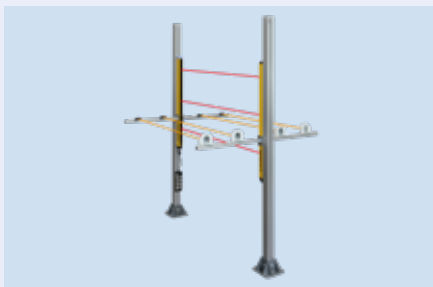## BRIEF OVERVIEW

SLC/SLG445 SAFETY LIGHT CURTAIN WITH MUTING FUNCTION

The muting function makes it possible to feed material into or out of machines or systems without interrupting the protective function of a safety light curtain. Depending on the application, Schmersal offers various muting sets which, together with a safety light curtain, form a complete safety system. In addition, various mounting options are available, allowing direct attachment to the safety light curtain as well as attachment to a mounting profile or protective enclosure.

MUTING VARIANTS

T muting

Direction-independent material transport

With T muting, 2 muting sensors are mounted in parallel in the hazardous area and 2 muting sensors outside the hazardous area. The arrangement of the muting sensors places requirements on the length of the transported goods.

Material transport in/out of the hazardous area
Configurable sequence and bridging time
Number of muting cantilevers: 4
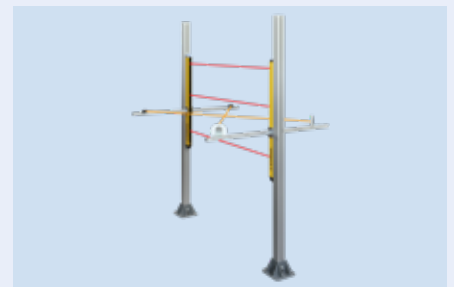Number of muting sensors: 4

L muting

Material transport out of the hazardous area

With L muting, 2 muting sensors are mounted in parallel in the hazardous area and controlled by a timer. The muting sensors are located within the hazardous area when material is ejected.

Material transport out of the hazardous area
Time monitoring, tamper-proof
Number of muting cantilevers: 2
Number of muting sensors: 2

X muting

Direction-independent material transport

With X muting, 2 muting sensors are mounted in a crossed arrangement. The crossing point of the two muting sensors must be in the hazardous area. The muting sensors/signals are monitored by the AOPD for sequence and trigger time. An optional external release signal can optimise operational safety.

Material transport in/out of the hazardous area
Configurable sequence and bridging time
Number of muting cantilevers: 4
Number of muting sensors: 2

MOUNTING VARIANTS OF THE CANTILEVERS FOR MUTING COMPONENTS

SLC/SLG 445

The cantilevers for the muting components are mounted on the SLC/SLG445 sensor profile using U-brackets.

Protective enclosure SG

The cantilevers for the muting components are mounted on the rear of the protective enclosure.

Mounting post MST

The cantilevers for the muting components are mounted on the side of the mounting stand using angle connectors.

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SCOPE OF DELIVERY MUTING KITS

MUTING KITS FOR MOUNTING ON SLC/SLG 445 SENSOR PROFILE OR SG PROTECTIVE ENCLOSURE

Muting variant	Muting set	
L muting	**MUT-SET-L-02** **MUT-SET-L-SG-01** ■ 2 muting cantilevers ■ 2 muting sensors/reflectors ■ 2 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103006074 103055493
T muting	**MUT-SET-T-02** **MUT-SET-T-SG-01** ■ 4 muting cantilevers ■ 4 muting sensors/reflectors ■ 4 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103006076 103055491
X muting	**MUT-SET-T-03** **MUT-SET-T-SG-02** ■ 4 muting cantilevers ■ 2 muting sensors/reflectors ■ 2 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103009195 103055492

MUTING KITS FOR MOUNTING ON THE MST MOUNTING STAND

Muting variant	Muting set	
L muting	**MUT-SET-L-01** ■ 2 muting cantilevers ■ 2 muting sensors/reflectors ■ 2 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103006073
T muting	**MUT-SET-T-01** ■ 4 muting cantilevers ■ 4 muting sensors/reflectors ■ 4 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103006075
X muting	**MUT-SET-T-04** ■ 4 muting cantilevers ■ 2 muting sensors/reflectors ■ 2 connection cables for muting sensors on MCU-02 ■ Muting connection unit MCU-02 ■ Mounting material and connection cables for emitter and receiver	103012263

The SLC/SLG445 safety light curtains/light grids, the protective enclosures or the mounting stands are not included in the scope of delivery.

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