

# SG BODY COMPACT BASE / MUTING

## COMPACT TYPE 4 SAFETY LIGHT GRID FOR BODY DETECTION



- Body access detection
- Perimeter control
- Rapid solution for access control with muting
- Easy installation and alignment
- L and T muting models provided with Retroreflective Muting Arms
- Two, three or four beams for body protection
- Controlled heights of 500, 800, 900 and 1200 mm
- Long operating distance: up to 50 m
- Simple configuration through DIP switches
- Integrated muting lamp (only on muting models)

### Detection properties

Nominal sensing distance	0,5 ... 50 m
Resolution	400mm
controlled height	800 mm
number of rays	3
Sensitivity adjustment	Dip-switch
Effective Aperture Angle	$\leq \pm 2,5^\circ$

### Application

Function Principle	Emitter + Receiver
Available functions	Manual/Automatic Restart, EDM, L/T Muting, Partial Muting, Override, Range Reduction (on TX)
Description	Compact (connector = old SE)
Functions	Body protection 3 beams muting

### Safety parameters

Type	Type 4 safety light curtain (A/M)
SIL	3
SILCL	3
PL	e
PFHd	1,00E-08

Dcavg	98,90%
MTTFd	384 years
SFF	98.14%

## Outputs

Output type	2 x PNP-N0 (OSSD safety output) with EDM
Response time	15 ms

## Electrical data

Operating Voltage	24 Vdc $\pm$ 20%
Load current	$\leq$ 500mA each output
Emission	Infrared LED (880 nm wavelength)
Interference to external light	According to IEC 61496-2
Power Consumption - Receiver	$\leq$ 2,2W (no load)
Power Consumption - Emitter	$\leq$ 0,9W
Equivalent Resistive Load	$\geq$ 56 $\Omega$
Capacitive Load	$\leq$ 65nF
Cabel Length (Power Supply/Output)	$\leq$ 50m

## Mechanical data

Dimensions	35x41x962
Connections	M12-4 poles (emitter) M12-5 poles (receiver)
Storage temperature	-25...+ 70°C
Material	Painted aluminum / PMMA / PC Lexan 943A
Vibrations	Width 0.35 mm, frequency 10 ... 55Hz; 20 sweep per axis, 1octave/min (EN 60068-2-6)
Shocks	16 ms (10 G) 1,000 shocks per axis (EN 60068-2-29)

## Test/Approvals

Approvals	CE, cULus, TÜV
EMC compatibility	According to 2014/30/EU Directive

## Accessories

Supplied Accessories	Standard "L" Mounting Brackets: 4 pcs kit
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## Generical Data

Dimensions	35x41,2x964 mm
Operating Temperature	0...+55°C
Humidity	15 ... 95 % (no condensation)
Mechanical Protection	IP65

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