



# SG BODY REFLECTOR BASE / MUTING

957951100

SG4-RDB2

RETROREFLECTIVE TYPE 4 SAFETY LIGHT GRID FOR  
BODY DETECTION

## OVERVIEW

- One active and one passive unit to reduce wiring and installation costs
- Robust housing for harsh environments
- Easy installation and alignment
- Reflective muting arms included in L and T muting version
- All advanced features associated to muting function
- 2, 3, 4 beams for body protection
- Controlled heights 500, 800, 900 and 1200 mm
- Up to 8 m operating distance
- Simple configuration through DIP switches
- Integrated muting lamp (muting models)
- Anti-interference coding
- External muting enable signal
- Edged or triggered muting dependent override

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	n/a
Resolution	500mm
controlled height	500 mm
number of rays	n/a

Sensitivity adjustment	n/a
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Effective Aperture Angle	$\leq \pm 2,5^\circ$
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#### Application

Function Principle	Passive side
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Available functions	Passive Unit
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Description	Big RRX passive unit
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Functions	Body protection 2 beams
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#### Safety parameters

Type	Type 4 safety light curtain (A/M)
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SIL	n/a
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SILCL	n/a
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PL	n/a
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PFHd	n/a
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MTTFd	n/a
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SFF	n/a
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#### Outputs

Output type	n/a
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Response time	n/a ms
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#### Electrical data

Operating Voltage	n/a
Load current	≤ 500mA each output
Emission	n/a
Interference to external light	According to IEC 61496-2
Power Consumption - Receiver	n/a
Power Consumption - Emitter	n/a
Cabel Length (Power Supply/Output)	n/a

#### Mechanical data

Dimensions	52x57x520
Connections	n/a
Storage temperature	-25...+ 70°C
Material	Painted aluminum / PMMA / PBT Valox 508
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

EMC compatibility	According to 2014/30/EU Directive
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#### Generical Data

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Dimensions	52x56,9x580,5 mm
Operating Temperature	0...+55°C
Humidity	15 ... 95 % (no condensation)
Mechanical Protection	IP65

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