



# 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 |
|------------------------|-----|

|                          |                      |
|--------------------------|----------------------|
| Effective Aperture Angle | $\leq \pm 2,5^\circ$ |
|--------------------------|----------------------|

#### Application

|                    |              |
|--------------------|--------------|
| Function Principle | Passive side |
|--------------------|--------------|

|                     |              |
|---------------------|--------------|
| Available functions | Passive Unit |
|---------------------|--------------|

|             |                      |
|-------------|----------------------|
| Description | Big RRX passive unit |
|-------------|----------------------|

|           |                         |
|-----------|-------------------------|
| Functions | Body protection 2 beams |
|-----------|-------------------------|

#### Safety parameters

|      |                                   |
|------|-----------------------------------|
| Type | Type 4 safety light curtain (A/M) |
|------|-----------------------------------|

|     |     |
|-----|-----|
| SIL | n/a |
|-----|-----|

|       |     |
|-------|-----|
| SILCL | n/a |
|-------|-----|

|    |     |
|----|-----|
| PL | n/a |
|----|-----|

|       |     |
|-------|-----|
| MTTFd | n/a |
|-------|-----|

|     |     |
|-----|-----|
| SFF | n/a |
|-----|-----|

#### Outputs

|             |     |
|-------------|-----|
| Output type | n/a |
|-------------|-----|

|               |        |
|---------------|--------|
| Response time | n/a ms |
|---------------|--------|

#### Electrical data

|                                    |                                 |
|------------------------------------|---------------------------------|
| Operating Voltage                  | n/a                             |
| Load current                       | $\leq 500\text{mA}$ 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   |
| Material            | Painted aluminum / PMMA / PBT Valox 508   |
| Connections         | n/a   |
| Storage temperature | -25...+ 70°C  |
| 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 |
|-------------------|-----------------------------------|

#### Generical Data

|            |                  |
|------------|------------------|
| Dimensions | 52x56,9x580,5 mm |
|------------|------------------|

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | 0...+55°C                     |
| Humidity              | 15 ... 95 % (no condensation) |
| Mechanical Protection | IP65                          |
| UNASSIGNED            |                               |
| Disegno 2D PDF        | n/a                           |

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