



# SG-BWS

## 957051040

**SG-BWS-T4-2-MT**  
SG BODY COMPACT BASE/MUTING

## OVERVIEW

- 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)

## TECHNICAL FEATURES

### Detection properties

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Nominal sensing distance | According to the sensors used: S5*ST* up to 8m; SL5*ST and S300*ST4 up to 40m; S300*ST2 up to 50m |
| controlled height        | n/a                                                                                               |
| Sensitivity adjustment   | Dip-switch                                                                                        |
| Effective Aperture Angle | n/a                                                                                               |

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Application                      |                                                        |
| Function Principle               | Control unit                                           |
| Available functions              | Manual/Automatic Restart, EDM, Double Muting, Override |
| Description                      | DIN-rail mount case                                    |
| Max. number of sensors connected | 8 x S5*ST/SL5*ST/S300*ST pairs                         |
| Max. number of muting sensors    | 4 x PNP-NO                                             |
| Functions                        | 8 safety light beam inputs - muting                    |

|                   |                                  |
|-------------------|----------------------------------|
| Safety parameters |                                  |
| Type              | Type 4 safety control unit (A/M) |
| SIL               | 3                                |
| SILCL             | 3                                |
| PL                | e                                |
| MTTFd             | 183 years                        |
| Dcavg             | 99,65%                           |
| SFF               | 98,80%                           |

|               |            |
|---------------|------------|
| Outputs       |            |
| Output type   | 2 Relay NO |
| Response time | 39 ms      |

|                 |  |
|-----------------|--|
| Electrical data |  |
|-----------------|--|

|                                    |              |
|------------------------------------|--------------|
| Operating Voltage                  | 24 Vdc ± 15% |
| Power consumption                  | ≤ 3,8W       |
| Emission                           | n/a          |
| Interference to external light     | n/a          |
| Power Consumption - Receiver       | n/a          |
| Power Consumption - Emitter        | n/a          |
| Cabel Length (Power Supply/Output) | ≤ 50m        |
| Cable Length (sensors)             | ≤ 50m        |

Mechanical data

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Dimensions          | 68x99x119                                                                           |
| Material            | Plastic - PA66                                                                      |
| Connections         | Terminal block                                                                      |
| 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

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

#### Generical Data

|            |              |
|------------|--------------|
| Dimensions | 68x99x119 mm |
|------------|--------------|

|                       |           |
|-----------------------|-----------|
| Operating Temperature | 0...+55°C |
|-----------------------|-----------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP20 |
|-----------------------|------|

#### UNASSIGNED

|                |          |
|----------------|----------|
| Disegno 2D PDF | 5,43E-09 |
|----------------|----------|

#### **Datasensing S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
[info@datasensing.com](mailto:info@datasensing.com)

**date of  
printing**  
10/08/2026  
06:42:46