



# SG-BWS

957051010

SG-BWS-T4-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	4 x S5*ST/SL5*ST/S300*ST pairs
Max. number of muting sensors	4 x PNP-NO
Functions	4 safety light beam inputs - muting

## Safety parameters

Type	Type 4 safety control unit (A/M)
SIL	3
SILCL	3
PL	e
PFHd	5,43E-09
Dcavg	99,65%
MTTFd	183 years
SFF	98,80%

## Outputs

Output type	2 Relay NO
Response time	35 ms

#### Electrical data

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

#### Mechanical data

Dimensions	68x99x119
Connections	Terminal block
Storage temperature	-25...+ 70°C
Material	Plastic - PA66
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
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EMC compatibility

According to 2014/30/EU Directive

#### Generical Data

Dimensions

68x99x119 mm

Operating Temperature

0...+55°C

Mechanical Protection

IP20

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