

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
MTTFd	183 years
Dcavg	99,65%
SFF	98,80%

Outputs

Output type	2 Relay NO
Response time	35 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

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