

SG BODY COMPACT BASE / MUTING



957851640

SG4-S2-050-PP-N

COMPACT TYPE 4 SAFETY LIGHT GRID FOR BODY
DETECTION

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	0,5 ... 50 m
Resolution	500mm
controlled height	500 mm
number of rays	2
Sensitivity adjustment	Dip-switch

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

Function Principle	Emitter + Receiver
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Available functions	Manual/Automatic Restart, EDM, L/T Muting, Partial Muting, Override, Range Reduction (on TX)
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Description	Compact (connector = old SE)
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Functions	Body protection 2 beams muting
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Safety parameters

Type	Type 4 safety light curtain (A/M)
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SIL	3
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SILCL	3
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PL	e
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PFHd	1,00E-08
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Dcavg	98,90%
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MTTFd	384 years
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SFF	98.14%
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Outputs

Output type	2 x PNP-NO (OSSD safety output) with EDM
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Response time	14 ms
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Electrical data

Operating Voltage	24 Vdc \pm 20%
Load current	\leq 500mA each output
Emission	Infrared LED (880 nm wavelength)
Interference to external light	According to IEC 61496-2
Power Consumption - Receiver	\leq 2,2W (no load)
Power Consumption - Emitter	\leq 0,9W
Equivalent Resistive Load	\geq 56 Ω
Capacitive Load	\leq 65nF
Cabel Length (Power Supply/Output)	\leq 50m

Mechanical data

Dimensions	35x41x662
Connections	M12-4 poles (emitter) M12-5 poles (receiver)
Storage temperature	-25...+ 70°C
Material	Painted aluminum / PMMA / PC Lexan 943A
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, cULus, TÜV
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EMC compatibility	According to 2014/30/EU Directive
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Accessories

Supplied Accessories	Standard "L" Mounting Brackets: 4 pcs kit
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Generical Data

Dimensions	35x41,2x664 mm
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Operating Temperature	0...+55°C
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Humidity	15 ... 95 % (no condensation)
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Mechanical Protection	IP65
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