



SG4 Base

957901020

SG4-14-045-OO-E

TYPE 4 SAFETY LIGHT CURTAIN WITH BASIC
FUNCTIONALITY

OVERVIEW

- High reliability
- Easy installation and alignment
- Cost effective Finger, hand detection with basic functions
- Up to 19 m operating distance
- Compact dimensions (32.3 x 36.9 mm section)
- Anti-interference coding
- IP65 Protection; IP69K with optional tube
- Unshielded cables
- Rotating and anti-vibration brackets

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,2 ... 6 m
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Resolution	14mm
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controlled height	450 mm
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number of rays	48
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Sensitivity adjustment	n/a
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Effective Aperture Angle	$\leq \pm 2,5^\circ$
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Application

Function Principle	Emitter + Receiver
Available functions	Manual/Automatic Restart, EDM
Description	Compact standard
Functions	Finger protection res. 14 mm

Safety parameters

Type	Type 4 safety light curtain (A/M)
SIL	3
SILCL	3
PL	c
MTTFd	444 years
Dcavg	98,80%
SFF	99,30%

Outputs

Output type	2 x PNP-NO (OSSD safety output) with EDM
Response time	16,4 ms

Electrical data

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Operating Voltage	24 Vdc ± 20%
Load current	≤ 500mA each output
Emission	Infrared LED (850 nm wavelength)
Interference to external light	According to IEC 61496-2
Power Consumption - Receiver	≤ 3,5W (no load)
Power Consumption - Emitter	≤ 2,5W
Cabel Length (Power Supply/Output)	≤ 50m

Mechanical data

Dimensions	33x37x533
Material	Painted aluminum / PMMA / PC MAKROLON
Connections	M12-5 poles (emitter) M12-5 poles (receiver)
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
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Accessories

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

Dimensions	32,3x36,9x533,2 mm
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Operating Temperature	-10...+55°C
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Humidity	15 ... 95 % (no condensation)
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Mechanical Protection	IP65
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UNASSIGNED

Disegno 2D PDF	2,64E-09
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