



**SG2
Base**

957801010

SG2-30-030-00-X

**TYPE 2 SAFETY LIGHT
CURTAIN WITH BASIC
FUNCTIONALITY**

OVERVIEW

- High reliability
- Easy installation and alignment
- Cost effective Finger, hand, arm detection with basic functions
- 90 mm version for presence detection
- 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 – 19 m
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Resolution	30mm
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controlled height	300 mm
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number of rays	16
Sensitivity adjustment	n/a
Effective Aperture Angle	±5°

Application

Function Principle	Emitter + Receiver
Available functions	Automatic Restart
Description	Compact standard
Functions	Hand protection res. 30 mm

Safety parameters

Type	Type 2 safety light curtain (A)
SIL	1
SILCL	1
PL	c
PFHd	1,04E-08
Dcavg	97,50%
MTTFd	273 years
SFF	98,40%

Outputs

Output type	2 x PNP-NO (OSSD safety output)
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Response time	9,4 ms
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Electrical data

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

Mechanical data

Dimensions	33x37x383
Connections	M12-4 poles (emitter) M12-5 poles (receiver)
Storage temperature	-25â€¦+ 70°C
Material	Painted aluminum / PMMA / PC MAKROLON
Vibrations	Width 0.35 mm, frequency 10 â€¦ 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	32,3x36,9x383,2 mm
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Operating Temperature	-10â€¦+55°C
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Humidity	15 â€¦ 95 % (no condensation)
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Mechanical Protection	IP65
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