

# SL5

952501080

SL5-5-B-92

SINGLE BEAM SAFETY SENSORS SAFETY CONTROL UNITS



## OVERVIEW

Installation Flexibility Long distance Low temperature with defogging function 4 safety areas controlled with one unit Double muting SENSORS:

- Emitter-receiver photocells with test input
- Type 2 and Type 4 models
- Plastic tubular and MAXI formats
- Up to 50m operating distance
- Class 1 red laser emission models up to 40
- Standard M12 connectors

CONTROL UNITS:

- Integrated control of 4 single beams and 2 light curtains
- Simple DIP Switch configuration
- Muting functions can be assigned to light curtains or single beams

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	12m
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Sensitivity adjustment	Trimmer
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### Application

Function Principle	Polarized retroreflective
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Description	Tubular M18 - axial optic
Functions	Polarized retroreflective

#### Outputs

Output type	PNP Lon
Output Function	Lon
Response time	0,33

#### Electrical data

Operating Voltage	10...30VDC
Load current	≤100mA
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LASER Red (650nm) class1
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

#### Mechanical data

Dimensions	Ø18x66
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Housing Material	Plastic ABS / PMMA
Connections	M12 plug
Active Head Material	PMMA
Material	
Diameter/Dimension	M18

#### Test/Approvals

Approvals	CE cULus
Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)

#### Generical Data

Dimensions	M18 x 1/L=66mm
Operating Temperature	- 10°C...+ 55°C
Mechanical Protection	IP67

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