

SL5

952501010

SL5-5-B-82

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 Don
Output Function	Don
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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Material

Housing material Plastic ABS / PMMA

Connections M12 plug

Active Head Material PMMA

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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