

SL5

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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	60m
Sensitivity adjustment	Trimmer

Application

Function Principle	Through beam receiver
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Description	Tubular M18 - axial optic
Functions	Through beam receiver
Outputs	
Output type	PNP Lon
Output Function	Lon
Switching frequency	1kHz
Response time	0,33
Electrical data	
Operating Voltage	10...30VDC
Load current	≤100mA
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	n/a
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
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

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

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