

SL5

952501020

SL5-5-F-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 | 60m |
|--------------------------|-----|

| | |
|------------------------|---------|
| Sensitivity adjustment | Trimmer |
|------------------------|---------|

Application

| | |
|--------------------|-----------------------|
| Function Principle | Through beam receiver |
|--------------------|-----------------------|

| | |
|-------------|---------------------------|
| Description | Tubular M18 - axial optic |
| Functions | Through beam receiver |

Outputs

| | |
|---------------------|---------|
| Output type | PNP Don |
| Output Function | Don |
| 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 |
| 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 |

Datasensing S.r.l.

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

**date of
printing**
12/04/2026
15:22:21