

DATALOGIC - SG2-E 50/90 PRESENCE

SG2-50-105-OO-E-C
LIGHTCURTAIN L=1050mm/50mm/0-19M

- Range up to 19m
- Protection height 300-1800 mm
- Type 2 (PLc SIL 2)
- Suitable for detection or personnel in a dangerous area
- Anti-interference function



PRODUCT DESCRIPTION

Datalogic safety light curtain SG2-E Presence is made for presence control of human body with a range of up to 19 metres. The safety light curtain is available as type 2, and maintains level PL d according to the latest safety standards, EN ISO 13849-1 and EN 62061.. SG2-E Presence is a extended version from SG2-B and it has integrated manual reset /automatic reset and input for monitoring of external contactors (EDM). SG2-E Presence include also an Anti-Interference function. The Anti-Interference system consents the installation of different light curtains aligned one next to the other avoiding mutual optical interference by choosing a shorter operating distance (9m instead of 19m), without the need to install separating shields.

The safety light curtain has two safe electronic short-circuit detection outputs (PNP). If potential free contacts are needed we can offer for example Datalogic safety relay CSME. Safety light curtain supplied complete with brackets.

Datalogic has a 3 year warranty for safety light curtains.

TECHNICAL DATA

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|-------------------------------------|-------------------------------|
| Additional features | EDM, Reset, Test |
| Approvals | CE, cULus, TÜV |
| Cable connection receiver | M12, 8-pole |
| Cable connection transmitter | M12, 4-pole |
| Cable length max | 50 m |
| Contact current max | 0.5 A |
| DC | 97,50 % |
| Function | EDM, Manual/automatic restart |
| In compliance with | EMC, LVD, MD |
| IP class | IP65 |

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|------------------------------------|---|
| LED indication | 6 x LED, 7-segment (SSD) display |
| Material of body | Aluminium |
| MTTFd | 273 year(s) |
| Number of beams | 29 |
| PL | d (EN ISO 13849-1) |
| Power consumption | Transmitter 2W. Receiver 3,5W. (without load) |
| Protection height | 1050 mm |
| Range | 0,2-19 m |
| Reaction time | 15 ms |
| Resolution | 50 mm |
| Safe outputs | 2 x OSSD |
| SFF | 98,40 % |
| SIL | 2 (EN IEC 61508) |
| Supply voltage | 24 V DC, stabilized |
| T1 (Life time in years) | 20 |
| Temperature operational max | 55 °C |
| Temperature operational min | 0 °C |
| Type | 2 |
| Voltage tolerance | ±20 % |

