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# DATALOGIC - SG2-E 50/90 PRESENCE

SG2-90-060-OO-E-C
LIGHTCURTAIN L=600mm/90mm/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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| **Function** | EDM, Manual/automatic restart |
| **IP class** | IP65 |
| **Reaction time** | 11 ms |
| **LED indication** | 6 x LED, 7-segment (SSD) display |
| **Material of body** | Aluminium |
| **Temperature operational max** | 55 °C |
| **Temperature operational min** | 0 °C |
| **Approvals** | CE, cULus, TÜV |
| **Range** | 0,2-19 m |

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| **Protection height** | 600 mm |

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| **Power consumption** | Transmitter 2W. Receiver 3,5W. (without load) |
| **Supply voltage** | 24 V DC, stabilized |
| **PL** | c (EN ISO 13849-1) |
| **SFF** | 98,40 % |
| **SIL** | 1 (EN IEC 61508) |
| **Voltage tolerance** | ±20 % |
| **Safe outputs** | 2 x OSSD |
| **T1 (Life time in years)** | 20 |
| **Type** | 2 |
| **Cable connection receiver** | M12, 8-pole |
| **Cable connection transmitter** | M12, 4-pole |
| **Cable length max** | 50 m |
| **In compliance with** | EMC, LVD, MD |
| **Contact current max** | 0.5 A |
| **DC** | 97,50 % |
| **Additional features** | EDM, Reset, Test |
| **MTTFd** | 273 year(s) |
| **Number of beams** | 9 |

