

## DATALOGIC - SG2-E 50/90 PRESENCE

SG2-50-120-OO-E-C

LIGHTCURTAIN L=1200mm/50mm/0-19M

- Range up to 19m
- Protection height 300-1800 mm
- Type 2 (PLc SIL 2)
- Suitable for detection of 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.

### SPECIFICATIONS

|                     |                               |
|---------------------|-------------------------------|
| Approvals           | CE, cULus, TÜV                |
| Cable Length Max    | 50 m                          |
| Conforming To       | EMC, LVD, MD                  |
| Contact Current Max | 0.5 A                         |
| DC                  | 97,50 %                       |
| Function            | EDM, Manual/Automatic restart |
| IP Class            | IP65                          |
| Material of body    | Aluminium                     |
| Mttfd               | 273 year                      |
| Number Of Beams     | 33                            |

|                                |                    |
|--------------------------------|--------------------|
| <b>PL</b>                      | d (EN ISO 13849-1) |
| <b>Protection height</b>       | 1200 mm            |
| <b>Reaction time</b>           | 16 ms              |
| <b>Resolution</b>              | 50 mm              |
| <b>Scope</b>                   | 0,2-19 m           |
| <b>SIL</b>                     | 2 (EN IEC 61508)   |
| <b>T1 (Life Time In Years)</b> | 20                 |
| <b>Temperature range from</b>  | 0 °C               |
| <b>Temperature range to</b>    | 55 °C              |
| <b>Voltage Tolerance</b>       | ±20 %              |

