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## **DATALOGIC - SG2-E 50/90 PRESENCE**

SG2-50-180-OO-E-C LIGHTCURTAIN L=1800mm/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**

| 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                          |
|                              |                               |

| LED indication              | 6 x LED, 7-segment (SSD) display              |
|-----------------------------|---|
| Material of body            | Aluminium                                     |
| MTTFd                       | 273 year(s)                                   |
| Number of beams             | 49  |
| PL                          | d (EN ISO 13849-1)                            |
| Power consumption           | Transmitter 2W. Receiver 3,5W. (without load) |
| Protection height           | 1800 mm                                       |
| Range                       | 0,2-19 m                                      |
| Reaction time               | 20 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  |
| Туре                        | 2   |
| Voltage tolerance           | ±20 %   |

