

## DATALOGIC - SG2-B 50/90

SG2-50-030-OO-X  
957801120 Type 2 50mm Res 300mm Protection  
Height

- Range up to 19m
- Protection height 150-1800 mm
- Type 2 (PLc SIL 2)
- Suitable for detection or personnel in a dangerous area



### PRODUCT DESCRIPTION

SG2-B 50/90 is suitable for detection of personnel in a dangerous area (i.e. horizontal detection of a person standing in a dangerous area) with a range of up to 19 metres.

This Type 2 light curtain maintains level PLc according to the latest safety standards, EN ISO 13849-1 and EN 62061.

SG2-B 50/90 has basic functionality with two OSSD (PNP) safety outputs and manual reset.

### TECHNICAL DATA

|                                     |                |
|-------------------------------------|----------------|
| <b>Additional features</b>          | Reset, test    |
| <b>Approvals</b>                    | CE, cULus, TÜV |
| <b>Cable connection receiver</b>    | M12, 5-pole    |
| <b>Cable connection transmitter</b> | M12, 4-pole    |
| <b>Cable length max</b>             | 50 m           |
| <b>Contact current max</b>          | 0,5 A          |
| <b>DC</b>                           | 97,50 %        |
| <b>In compliance with</b>           | EMC, LVD, MD   |
| <b>IP class</b>                     | IP65           |
| <b>LED indication</b>               | 6 x LED        |
| <b>Material of body</b>             | Aluminium      |

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| <b>MTTFd</b>                       | 273 year(s)                                  |
| <b>Number of beams</b>             | 9                                            |
| <b>Output</b>                      | 2xPNP                                        |
| <b>PL</b>                          | c (EN ISO 13849-1)                           |
| <b>Power consumption</b>           | Transmitter 2W, receiver 3,5W (without load) |
| <b>Protection height</b>           | 300 mm                                       |
| <b>Range</b>                       | 0,2-19 m                                     |
| <b>Reaction time</b>               | 9 ms                                         |
| <b>Resolution</b>                  | 50 mm                                        |
| <b>Safe outputs</b>                | 2 x OSSD                                     |
| <b>SIL</b>                         | 1 (EN IEC 62061)                             |
| <b>Supply voltage</b>              | 24 V DC, stabilized                          |
| <b>T1 (Life time in years)</b>     | 20                                           |
| <b>Temperature operational max</b> | 55 °C                                        |
| <b>Temperature operational min</b> | -10 °C                                       |
| <b>Type</b>                        | 2                                            |
| <b>Voltage tolerance</b>           | ±20 %                                        |

