

## DATALOGIC - SG4-BODY COMPACT BASE

SG4-S3-080-PP-E

SG4-S3-080-PP-E 3 Beam Type 4

- Body protection (2, 3 and 4 beam), Type 4, PL e
- Range 0.5-50 m
- Protective height 500-800-900-1200 mm



### PRODUCT DESCRIPTION

Datalogic safety light curtain SG4-BODY COMPACT Base is made for body detection with a range of up to 50 meters. The safety light curtain is available as type 4, and maintains highest level PL e according to the latest safety standards, EN ISO 13849-1 and EN 62061.

SG4-BODY COMPACT Base has a compact housing with basic functions as integrated manual reset /automatic reset and input for monitoring of external contactors (EDM). Configurations will be made by DIP switches.

SG4-BODY COMPACT models are provided in 2 different versions: Base and Muting.

SG4-BODY COMPACT Base safety light curtain include two safe electronic short-circuit detection outputs (PNP). If potential free contacts are needed We can offer forexample Datalogic safety relay CSME. Safety light curtain supplied complete with standard bracket.

Datalogic has a 3 year warranty for safety light curtains.

### TECHNICAL DATA

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Additional features</b>          | EDM, reset functions          |
| <b>Approvals</b>                    | CE, cULus, TÜV                |
| <b>Cable connection receiver</b>    | M12, 8-pole                   |
| <b>Cable connection transmitter</b> | M12, 5-pole                   |
| <b>Cable length max</b>             | 50 m                          |
| <b>Contact current max</b>          | 0.5 A                         |
| <b>DC</b>                           | 98,90%                        |
| <b>Function</b>                     | EDM, Manual/automatic restart |
| <b>In compliance with</b>           | EMC, LVD, MD                  |
| <b>IP class</b>                     | IP65                          |

|                             |  |
|-----------------------------|--|
| Material of body            | Aluminium  |
| MTTFd                       | 384 year(s)                                      |
| Number of beams             | 3  |
| Output                      | 2xPNP  |
| PL                          | e (EN ISO 13849-1)                               |
| Power consumption           | Transmitter 1,6W. Receiver 4,2 W. (without load) |
| Protection height           | 800 mm   |
| Reaction time               | 14 ms  |
| Resolution                  | 415 mm   |
| Safe outputs                | 2 OSSD   |
| Sensing distance            | 0,5-50 m   |
| SFF                         | 98,93 %  |
| SIL                         | 3 (EN IEC 61508)                                 |
| Storage temperature max     | 70 °C  |
| Storage temperature min     | -25 °C   |
| Supply voltage              | 24 V DC  |
| T1 (Life time in years)     | 20   |
| Temperature operational max | 55 °C  |
| Temperature operational min | -10 °C   |
| Type                        | 4  |
| Voltage tolerance           | ±20 %  |

