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# DATALOGIC - SG4-BODY BIG REFLECTOR BASE

SG4-RB4-120-OO-E
SG4-RB4-120-OO-E 4 Beam Type 4



- Body protection (2, 3 and 4 beam), Type 4, PL e
- Passive mirror, range up to 8 m
- Protective height 500-800-900-1200 mm

### PRODUCT DESCRIPTION

Datalogic SG4-BODY BIG Reflector Base is ideal body protection for shorter distances. Reflector models is made by an active unit and a complete passive unit, with integrated moulded plastic mirrors, reaching up to 8 m, available in 2, 3 and 4 beams with 500, 800, 900 and 1200mm controlled height. REFLECTOR models are provided in 2 different versions: Base and Muting.

New robust housing and new design of optical-electronic platform ensures the best performance. In addition total absence of "dead zone", 7-segment displays, alignement aid function and 3 different types of brackets (swivelling side, top-bottom rotating and rear) complete the product and make it the ideal and most performing solution for all the industrial application.

The safety light curtain is available as type 4, and maintains the highest safety level PL e according to the latest safety standards, EN ISO 13849-1 and EN 62061. SG4-BODY BIG Reflector Bas has integrated manual reset /automatic reset and input for monitoring of external contactors (EDM). 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.

Datalogic has a 3 year warranty for safety light curtains.

# TECHNICAL DATA

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|---|---|
| **Typical of light** | IR (950 nm) |
| **IP class** | IP65 |
| **Material of body** | Aluminium |
| **Temperature operational max** | 55 °C |
| **Temperature operational min** | -10 °C |
| **Storage temperature max** | 70 °C |
| **Storage temperature min** | -25 °C |
| **Approvals** | CE, cULus, TÜV |
| **Range** | 0,5-6,5 m |

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|---|---|
| **Power consumption** | 6,5 W (without load) |
| **Supply voltage** | 24 V DC, stabilized |
| **PL** | e (EN ISO 13849-1) |
| **SFF** | 97,20 % |
| **SIL** | 3 (EN IEC 62061) |
| **Protection field** | 1200 mm |
| **Voltage tolerance** | ±20 % |
| **Safe outputs** | 2 OSSD |
| **T1 (Life time in years)** | 20 |
| **Type** | 4 |
| **Cable connection** | M12, 8-pole |
| **Cable length max** | 70 m |
| **In compliance with** | EMC, LVD, MD |
| **Contact current max** | 0.5 A |
| **DC** | 99 % |
| **Disconnection** | 12 ms |
| **Additional features** | EDM, reset (automatic/manual), test input |
| **MTTFd** | 463 year(s) |
| **Number of beams** | 4 |




