

## DATALOGIC - LIGHT CURTAINS SG4-EXTENDED-HAND

SG4-30-030-OO-P

Lightcurtain L=300mm/30mm/0-20M/type 4

- Range up to 20m
- Protection height 150-1800 mm
- Type 4 (PLe SIL 3)
- No dead zones (full active face)
- Programmable functionality with built in muting, blanking, override etc.



### PRODUCT DESCRIPTION

SG4-Extended(Hand) is a safety light curtain with a range of up to 20 metres and has extra functionality including muting and blanking programmable by push button or PC.

This Type 4 light curtain maintains the highest safety level according to the latest safety standards EN ISO 13849-1 and EN 62061.

SG4-Extended has built-in monitored reset, an input for monitoring of external contactors and two solid state safety outputs which are also electronically monitored.

This means that the SG4-Extended can work as a "standalone" unit if required and is not in need of any special control unit.

### TECHNICAL DATA

|                                     |  |
|-------------------------------------|--|
| <b>Additional features</b>          | Muting, override, blanking, EDM, reset, cascade                  |
| <b>Approvals</b>                    | CE, cULus, TÜV   |
| <b>Cable connection receiver</b>    | M12, 12-pole for blanking; M12, 12-pole + M12, 5-pole for muting |
| <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>                           | 99 %   |
| <b>Function</b>                     | Manual/automatic restart, EDM, Override, Muting, Blanking        |
| <b>In compliance with</b>           | EMC, LVD, MD   |
| <b>IP class</b>                     | IP65   |
| <b>Material of body</b>             | Aluminium  |

|                                    |  |
|------------------------------------|--|
| <b>MTTFd</b>                       | 444 year(s)                                      |
| <b>Number of beams</b>             | 16   |
| <b>PL</b>                          | e (EN ISO 13849-1)                               |
| <b>Power consumption</b>           | Transmitter max 3 W. Receiver 5 W (without load) |
| <b>Protection height</b>           | 300 mm   |
| <b>Range</b>                       | 0,2-20 m   |
| <b>Reaction time</b>               | 13 ms  |
| <b>Safe outputs</b>                | 2 OSSD   |
| <b>SIL</b>                         | 3 (EN IEC 62061)                                 |
| <b>Supply voltage</b>              | 24 V DC  |
| <b>T1 (Life time in years)</b>     | 20   |
| <b>Temperature operational max</b> | 50 °C  |
| <b>Temperature operational min</b> | 0 °C   |
| <b>Type</b>                        | 4  |
| <b>Voltage tolerance</b>           | ±20 %  |

