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# DATASENSING SH4-ADVANCED HAND PROTECTION SAFETY LIGHT CURTAIN

SH4-30-0300-A-12-5
SH4 Advanced Type 4 30mm Resolution 300mm Protection Height



- Hand protection (R30), range 0.2-20 m
- Protection height 300-2250mm
- Temperature Range from -30 to +55 °C
- Versatile muting functions programmable via wi-fi

### PRODUCT DESCRIPTION

The Datasensing SH4-Advanced safety light curtain is fully programmable via Wi-Fi, with the SH4-designer program. Programmable fuctions include partial muting, dynamic muting, 4-signal muting, and versatile blanking functions.

## TECHNICAL DATA

| | |
|---|---|
| **Supply voltage** | 24 V DC |
| **Function** | Muting, Blanking, EDM, Manual/automatic restart |
| **Reaction time** | 7 ms |
| **Material of body** | Aluminium |
| **Temperature operational max** | 55 °C |
| **Temperature operational min** | -30 °C |
| **Sensing distance** | 0,2-20 m |

| | |
|---|---|
| **Protection height** | 300 mm |
| **PL** | e |
| **SIL** | 3 |
| **Voltage tolerance** | ± 20% |
| **MTTFd** | 43 year(s) |
| **Number of beams** | 12 |

## RECEIVER DUAL CONNECTOR

### RX M12 MALE 12 PIN



| |
|---|
| 1 - 24V (brown) |
| 2 - 0V (blue) |
| 3 - GP_IN1 (white) |
| 4 - GP_IN2 (green) |
| 5 - OSSD2 (pink) |
| 6 - GP_IN3 (yellow) |
| 7 - GP_IN4 (black) |
| 8 - OSSD1 (grey) |
| 9 - 0VR2 (red) |
| 10 - GP_IO1 (violet) |
| 11 - GP_IO2 (grey-pink)[3] |
| 12 - NOT CONNECTED (red-blue) |

### RX M12 FEMALE 5 PIN



| |
|---|
| 1 - 24V OUT (brown) |
| 2 - GP_IN5 (white) |
| 3 - 0V OUT (blue) |
| 4 - GP_IN6 (black) |
| 5 - GP_IO2 (grey)[4] |

## EMITTER DUAL CONNECTOR

### TX M12 MALE 5 PIN



| |
|---|
| 1 - 24V (brown) |
| 2 - TEST/(AIMER) (white)[1] |
| 3 - 0V (blue) |
| 4 - CODE (black)[2] |
| 5 - COM (grey) |

### TX M12 FEMALE 5 PIN



| |
|---|
| 1 - 24V OUT (brown) |
| 2 - TEST/(AIMER) (white) |
| 3 - 0V OUT (blue) |
| 4 - CODE (black) |
| 5 - CASCOM (grey) |



