

## DATASENSING SH4-ADVANCED HAND PROTECTION SAFETY LIGHT CURTAIN

SH4-30-1050-A-12  
SH4 Advanced Type 4 30mm Resolution 1050mm  
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

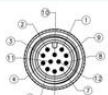
The Datasensing SH4-Advanced safety light curtain is fully programmable via Wi-Fi, with the SH4-designer program. Programmable functions include partial muting, dynamic muting, 4-signal muting, and versatile blanking functions.

### TECHNICAL DATA

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Function                    | Muting, Blanking, EDM, Manual/automatic restart |
| Material of body            | Aluminium                                       |
| MTTFd                       | 43 year(s)                                      |
| Number of beams             | 42                                              |
| PL                          | e                                               |
| Protection height           | 1050 mm                                         |
| Reaction time               | 11 ms                                           |
| Resolution                  | 30 mm                                           |
| Sensing distance            | 0,2-20 m                                        |
| SIL                         | 3                                               |
| Supply voltage              | 24 V DC                                         |
| Temperature operational max | 55 °C                                           |
| Temperature operational min | -30 °C                                          |
| Voltage tolerance           | ± 20%                                           |

## RECEIVER

## RX M12 MALE 12 PIN



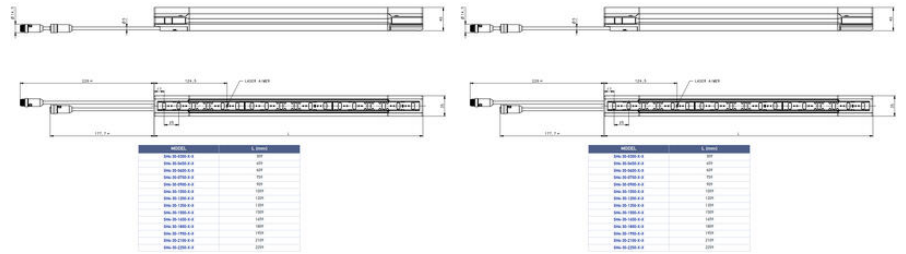
- |                        |
|------------------------|
| 1 - 24V (brown)        |
| 2 - 0V (blue)          |
| 3 - GP_IN1 (white)     |
| 4 - GP_IN2 (green)     |
| 5 - OSSD2 (pink)       |
| 6 - GP_IN3 (yellow)    |
| 7 - GP_IO1 (black)     |
| 8 - OSSD1 (grey)       |
| 9 - GP_IN4 (red)       |
| 10 - GP_IO2 (violet)   |
| 11 - OVR2 (grey-pink)  |
| 12 - GP_IN5 (red-blue) |

EMITTER

## TX M12 MALE 5 PIN



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



| Model            | S. count |
|------------------|----------|
| Sim. 10-0100-0-0 | 457      |
| Sim. 10-0400-0-0 | 457      |
| Sim. 10-0600-0-0 | 457      |
| Sim. 10-0700-0-0 | 731      |
| Sim. 10-0900-0-0 | 829      |
| Sim. 10-1000-0-0 | 1095     |
| Sim. 10-1100-0-0 | 1189     |
| Sim. 10-1200-0-0 | 1189     |
| Sim. 10-1300-0-0 | 1393     |
| Sim. 10-1400-0-0 | 1479     |
| Sim. 10-1600-0-0 | 1889     |
| Sim. 10-1700-0-0 | 1939     |
| Sim. 10-2100-0-0 | 2199     |
| Sim. 10-2300-0-0 | 2399     |

| MODEL            | Σ error |
|------------------|---------|
| 1966-10-4350-0-0 | 400     |
| 1966-10-5610-0-0 | 450     |
| 1966-10-6620-0-0 | 440     |
| 1966-10-6710-0-0 | 710     |
| 1966-10-6740-0-0 | 560     |
| 1966-10-1200-0-0 | 1200    |
| 1966-10-1300-0-0 | 1500    |
| 1966-10-1250-0-0 | 1400    |
| 1966-10-1000-0-0 | 1200    |
| 1966-10-1450-0-0 | 1450    |
| 1966-10-1800-0-0 | 1800    |
| 1966-10-1750-0-0 | 1750    |
| 1966-10-20-0-0   | 2100    |
| 1966-10-2250-0-0 | 2250    |