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# DATASENSING SH4-ADVANCED FINGER PROTECTION SAFETY LIGHT CURTAIN

SH4-14-0450-A-12
SH4 Advanced Type 4 14mm Resolution 450mm Protection Height



- Finger protection (R14), range 0.2-10 m
- Protection height 300-2250mm
- Temperature Range from -30 to +55 °C
- Versatile muting functions programmable via wi-fi

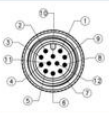
### PRODUCT DESCRIPTION

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

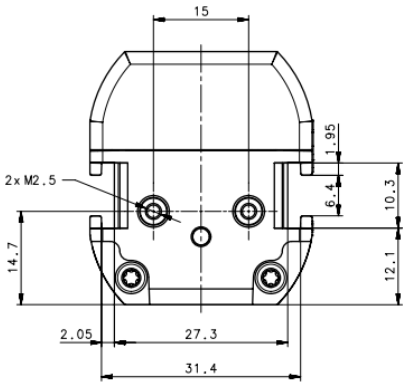
| | |
|---|---|
| **Supply voltage** | 24 V DC |
| **Function** | Muting, Blanking, EDM, Manual/automatic restart |
| **Reaction time** | 10 ms |
| **Material of body** | Aluminium |
| **Temperature operational max** | 55 °C |
| **Temperature operational min** | -30 °C |
| **Sensing distance** | 0,2-10 m |

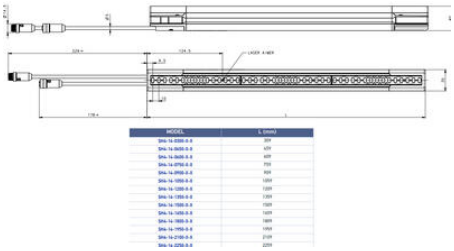
| | |
|---|---|
| **Protection height** | 450 mm |
| **PL** | e |
| **SIL** | 3 |
| **Voltage tolerance** | ± 20% |
| **MTTFd** | 43 year(s) |
| **Number of beams** | 45 |

| RECEIVER | EMITTER |
|---|---|
| RX M12 MALE 12 PIN | TX M12 MALE 5 PIN |
|  |  |
| 1 - 24V (brown) | 1 - 24V (brown) |
| 2 - 0V (blue) | 2 - TEST/(AIMER) (white) |
| 3 - GP_IN1 (white) | 3 - 0V (blue) |
| 4 - GP_IN2 (green) | 4 - CODE (black) |
| 5 - OSSD2 (pink) | 5 - COM (grey) |
| 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) | |



| MODEL | L (mm) |
|---|---|
| SHA-14-0350-0-X | 350 |
| SHA-14-0450-0-X | 450 |
| SHA-14-0600-0-X | 600 |
| SHA-14-0750-0-X | 750 |
| SHA-14-0900-0-X | 900 |
| SHA-14-1050-0-X | 1050 |
| SHA-14-1200-0-X | 1200 |
| SHA-14-1350-0-X | 1350 |
| SHA-14-1500-0-X | 1500 |
| SHA-14-1650-0-X | 1650 |
| SHA-14-1800-0-X | 1800 |
| SHA-14-1950-0-X | 1950 |
| SHA-14-2100-0-X | 2100 |
| SHA-14-2250-0-X | 2250 |



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