

## DATASENSING SH4-ADVANCED HAND PROTECTION SAFETY LIGHT CURTAIN

SH4-30-0450-A-12-5  
 SH4 Advanced Type 4 30mm Resolution 450mm  
 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

<b>Function</b>	Muting, Blanking, EDM, Manual/automatic restart
<b>Material of body</b>	Aluminium
<b>MTTFd</b>	43 year(s)
<b>Number of beams</b>	18
<b>PL</b>	e
<b>Protection height</b>	450 mm
<b>Reaction time</b>	8 ms
<b>Sensing distance</b>	0,2-20 m
<b>SIL</b>	3
<b>Supply voltage</b>	24 V DC
<b>Temperature operational max</b>	55 °C
<b>Temperature operational min</b>	-30 °C
<b>Voltage tolerance</b>	± 20%

### 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 - OVR2 (red)
- 10 - GP\_ID1 (violet)
- 11 - GP\_ID2 (grey-pink)<sup>3</sup>
- 12 - NOT CONNECTED (red-blue)

#### RX M12 FEMALE 5 PIN



- 1 - 24V OUT (brown)
- 2 - GP\_IN5 (white)
- 3 - 0V OUT (blue)
- 4 - GP\_IN5 (black)
- 5 - GP\_ID2 (grey)<sup>4</sup>

### EMITTER DUAL CONNECTOR

#### TX M12 MALE 5 PIN

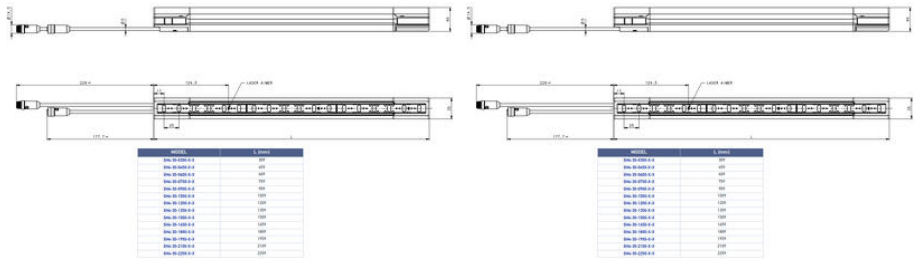


- 1 - 24V (brown)
- 2 - TEST(AIMERO) (white)<sup>1</sup>
- 3 - 0V (blue)
- 4 - CODE (black)<sup>2</sup>
- 5 - CDM (grey)

#### TX M12 FEMALE 5 PIN



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



Pin	Color
Pin 1	24V
Pin 2	TEST
Pin 3	0V
Pin 4	CODE
Pin 5	CDM
Pin 6	0V
Pin 7	0V
Pin 8	0V
Pin 9	0V
Pin 10	0V
Pin 11	0V
Pin 12	0V

Pin	Color
Pin 1	24V
Pin 2	TEST
Pin 3	0V
Pin 4	CODE
Pin 5	CDM
Pin 6	0V
Pin 7	0V
Pin 8	0V
Pin 9	0V
Pin 10	0V
Pin 11	0V
Pin 12	0V