

DATASENSING SH4-ADVANCED HAND PROTECTION SAFETY LIGHT CURTAIN

SH4-30-1050-A-12-5
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
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 - 0V R2 (red)

10 - GP_I01 (violet)

11 - GP_I02 (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_I02 (grey)⁴

EMITTER
DUAL CONNECTOR

TX M12 MALE 5 PIN



1 - 24V (brown)

2 - TEST/AIMER¹ (white)

3 - 0V (blue)

4 - CODE (black)²

5 - CDM (grey)

TX M12 FEMALE 5 PIN



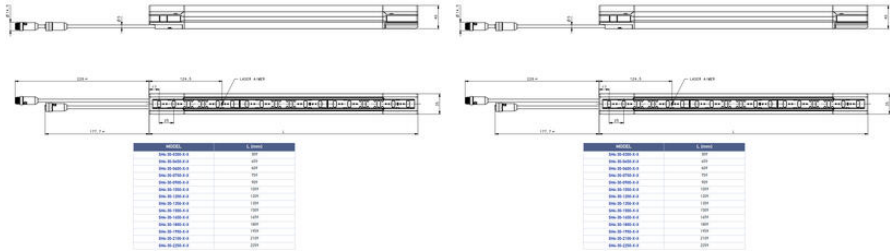
1 - 24V OUT (brown)

2 - TEST/AIMER¹ (white)

3 - 0V OUT (blue)

4 - CODE (black)

5 - CASCOM (grey)



Technical drawings of the connectors showing side and top views with dimensions and pin configurations.

Dimensions:

- Overall length: 200.0
- Pin 1 to Pin 5 distance: 100.0
- Pin 1 to Pin 12 distance: 100.0
- Pin 1 to Pin 12 distance (with 12 pins): 100.0
- Pin 1 to Pin 12 distance (with 12 pins): 100.0

Pin configurations:

MODEL	L (mm)
RM-01-000-0.0	100
RM-01-000-0.1	100
RM-01-000-0.2	100
RM-01-000-0.3	100
RM-01-000-0.4	100
RM-01-000-0.5	100
RM-01-000-0.6	100
RM-01-000-0.7	100
RM-01-000-0.8	100
RM-01-000-0.9	100
RM-01-000-1.0	100
RM-01-000-1.1	100
RM-01-000-1.2	100
RM-01-000-1.3	100
RM-01-000-1.4	100
RM-01-000-1.5	100
RM-01-000-1.6	100
RM-01-000-1.7	100
RM-01-000-1.8	100
RM-01-000-1.9	100
RM-01-000-2.0	100