



# AS1

## 958101020

**AS1-HD-HR-010-J**

**AREASCAN™ HIGH-RESOLUTION DETECTION  
PHOTOELECTRIC LIGHT GRIDS**

## OVERVIEW

- Crossed beam area sensors
- 100mm controlled height
- Adjustment trimmer
- Optical or wire synchronism
- Scan Mode input

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	0,3...3m
controlled height	100mm
minimum detectable object	Flat: 0,2x75mm Cylindrical: Ø 6mm
number of rays	16
Sensitivity adjustment	n/a

### Application

Function Principle	Emitter- Receiver
Description	Slim profile - High res. 6 mm
Functions	Light array for detection

#### Outputs

Output type	PNP - Dark mode
Output Function	Dark ON
Response time	1,7ms

#### Electrical data

Operating Voltage	20,4...27,6VDC
No-Load supply current	≤190mA
Load current	≤100mA
Output voltage drop	≤1,5V Iload = 100mA
LED indicators	Yellow (output state) Green (PowerON)
Emission	Infrared (880nm)

#### Mechanical data

Dimensions	22x150x43
Weight	300g
Housing Material	Aluminium
Connections	M12 Plug

Active Head Material	PMMA
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Material	Metal - Aluminium / PMMA
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#### Test/Approvals

Approvals	CE cULus
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#### Accessories

Supplied Accessories	Fixing brackets
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#### Generical Data

Dimensions	22x150x43
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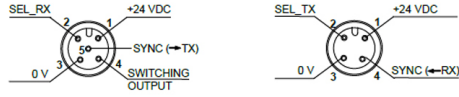
Operating Temperature	0°C...+ 50° C
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Mechanical Protection	IP65
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## CONNECTIONS

Connector

### M12 CONNECTOR

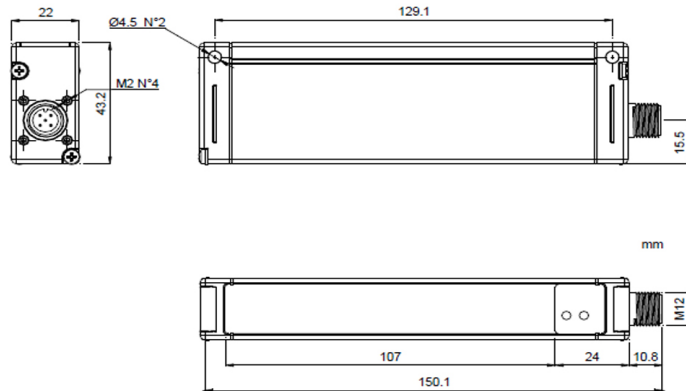


	AS1-HR	AS1-SR		AS1-HR	AS1-SR
<b>RECEIVER (RX):</b> M12 5-pole connector	1 – brown: +24 VDC	+24 VDC	<b>EMITTER (TX):</b> M12 4-pole connector	1 – brown: +24 VDC	+24 VDC
	2 – white: SEL_RX	Not used		2 – white: SEL_TX	Not used
	3 – blue: 0 V	0 V		3 – blue: 0 V	0 V
	4 – black: Switching output	Switching output		4 – black: SYNC **	SYNC *
	5 – grey: SYNC *	SYNC *			

\* not used in trimmer version  
\*\* SEL\_TX2 in trimmer version

# OTHERS

## Dimensions



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**date of  
printing**  
07/05/2026  
11:54:54

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