

DATASENSING - AS1 - AREA LIGHT CURTAIN SENSORS

AS1-LD-HR-010-J
958101000 Array Sensor Long Distance High Res
100mm

- Crossed light beams
- High resolution - 0.2mm thick x 75 mm wide
- Distance up to 3m
- Versions with potentiometer setting



PRODUCT DESCRIPTION

The photoelectric light grids of the AS1 series are crossed-beam area sensors able to detect all objects, with even 0.2mm thickness, inside a 100mm height, over operating distances reaching 3m between emitter and receiver. The AS1 area sensors represent the ideal solution for the detection of very small objects, even when passing in different positions inside the controlled height and width. Versions with trimmer adjustment and optic synchronism between emitter and receiver unit are available.

Features & Benefits:

- Crossed beams
- Trimmer version available
- Optical synchronism: to speed up the connection and alignment procedures
- 3m operating range

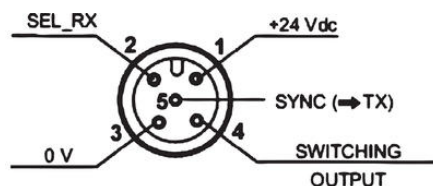
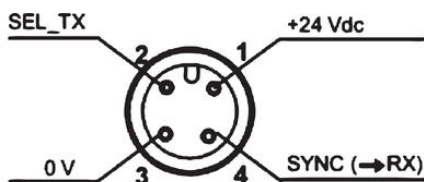
Applications:

- Automatic machines
- Packaging lines
- Transportation lines
- Wood working machines
- Glass working machines
- Ceramics working machines
- Automatic warehouses

TECHNICAL DATA

Approvals	CE, cULus
Detection height	100 mm
Dimension (mm)	22 x 43 x 150
Distance max	2100 mm
Distance min	300 mm

Electrical connection	M12 5-pole connector, M12 4-pin connector
IP class	IP65
LED indicator	Yes
Lens material	PMMA
Light type	IR LED
Material of body	Aluminium
Output	PNP
Output current max	0,1 A
Photocell technology	Curtain photocell
Power consumption max	0,15 A
Reaction time	2,75 ms
Storage temperature max	70 °C
Storage temperature min	-25 °C
Supply voltage	24 V DC
Temperature operational max	50 °C
Temperature operational min	0 °C
Weight	300 g



1	=	brown	=	+24Vdc
2	=	white	=	SEL_RX (only AS1-HR)
3	=	blue	=	0 V
4	=	black	=	SYNC

1	=	brown	=	+24Vdc
2	=	white	=	SEL_RX (only AS1-HR)
3	=	blue	=	0 V
4	=	black	=	SWITCHING OUTPUT
5	=	grey	=	SYNC

