



DS1

957701150

DS1-LD-SR-015-JV

AREASCAN™ DETECTION AND MEASUREMENT LIGHT GRIDS WITH ANALOG OUTPUT

OVERVIEW

- 4 mm resolution and 1 ms response time
- 100 to 300 mm controlled height
- Operating distance up to 4 m
- PNP digital and 0-10 V analog outputs
- Adjustment trimmer

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,15..2,1m
controlled height	150mm
minimum detectable object	7mm
number of rays	24
Sensitivity adjustment	n/a

Application

Function Principle	Emitter- Receiver
Description	Slim profile - Low res. 7 mm
Functions	Light array for detection and measurement

Outputs

Output type	PNP, 0-10 V
Output Function	NO; 0...10V
Response time	1ms

Electrical data

Operating Voltage	20,4...27,6VDC
No-Load supply current	$\leq 200\text{mA}$
Load current	$\leq 100\text{mA}$
Output voltage drop	$\leq 1,5\text{V}$ $I_{\text{load}} = 100\text{mA}$
LED indicators	Yellow (output state) Green (powerON)
Emission	Infrared (880nm)

Mechanical data

Dimensions	22x200x43
Weight	400g
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	22x200x43
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Operating Temperature	0°C...+ 50° C
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Mechanical Protection	IP65
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