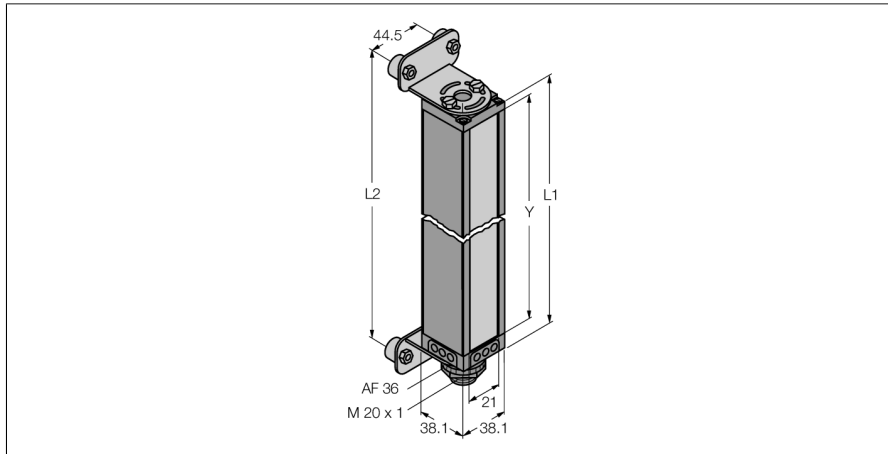


# Measuring Light Screen Receiver MAHR51A



Type	MAHR51A
ID	3062669
<b>Optical data</b>	
Function	Opposed mode sensor (receiver)
Operating mode	Receiver
Optical resolution	2.5 mm
Range	380...1800 mm
Scan field	1300 mm
Number of beams	512
<b>Electrical data</b>	
Operating voltage	11.4...14 VDC
<b>Mechanical data</b>	
Design	Rectangular, Mini Array
Housing material	Metal, AL
Lens	plastic, Acrylic
Electrical connection	Connector, 7/8"
Ambient temperature	0...+50 °C
Protection class	IP65
<b>Tests/approvals</b>	
Approvals	CE
Approvals	CE
	cULus recognized

- Minimum target size 2.5 mm
- Scan field 1300 mm
- Max. sensing range 1.8 m
- Operating voltage 11.8...12.2 VDC (from controller)
- Protection class IP65
- Adjustment via software

## Functional principle

Measuring light screens are ideally suited for precise detection and inspection tasks such as product profiling, sizing, edge and centre guiding, hole and parts detection and the like. Each system consists of an emitter, receiver and a controller module, which is equipped with several switching and analogue outputs, depending on the specific version. The device also enables data transmission via RS232 or R485, either in a binary or ASCII code format. The scan times depend on the height of the measuring array and the adjusted scan mode. Detailed information can be taken from the instruction manual.