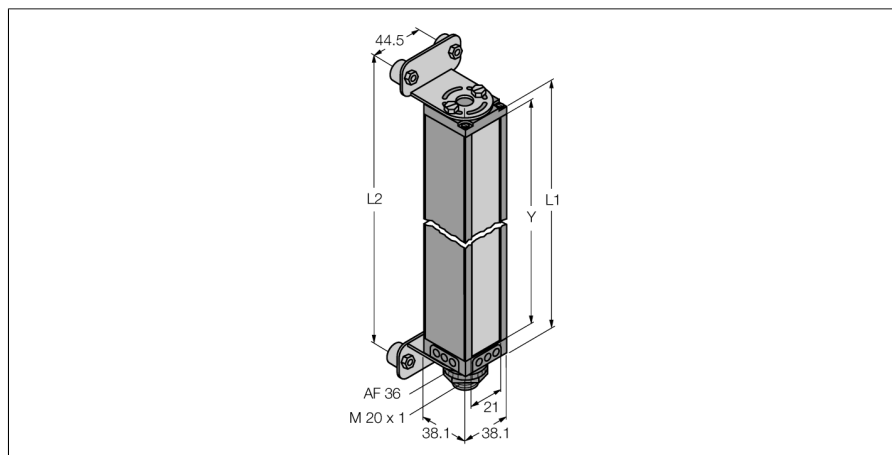


Measuring light screen

Receiver

MAR2416PX485Q-12476



Type	MAR2416PX485Q
ID	3012476
Optical data	
Function	Light screen
Light type	IR
Optical resolution	9.5 mm
Range	0...16500 mm
Scan field	600 mm
Electrical data	
Operating voltage U_a	16...30 VDC
Reverse polarity protection	yes
Communication protocol	RS485
Output function	2 x NO contact, PNP/NPN
Response time typical	< 18.4 ms
Mechanical data	
Design	Rectangular, Mini Array
Housing material	Metal, AL
Lens	plastic, Acrylic
Electrical connection	Cable with connector, M12 x 1, 0.15 m
Number of cores	8
Ambient temperature	-40...+70 °C
Protection class	IP65
Tests/approvals	
Approvals	CE
Approvals	CE
	cULus recognized

- 150 mm cable with male connector, M12 x 1, 8-pin
- Scan field (Y): 600 mm
- Resolution: 19 mm
- Range: 16.5 m
- Operating voltage: 16...30 VDC
- 2 reversible switching outputs (NPN/PNP)
- RS485 interface

Functional principle

Measuring light screens are ideally suited for precise detection and inspection tasks such as sizing, product profiling, edge and center guiding, and detecting holes. Every system consists of an emitter and a receiver that has two reversible switching outputs. In addition, data is also transmitted via RS485. The device can be parametrized via the PC with software. The response times are dependent on the scan field and the scan mode set. Detailed information on this can be found in the instruction manual.