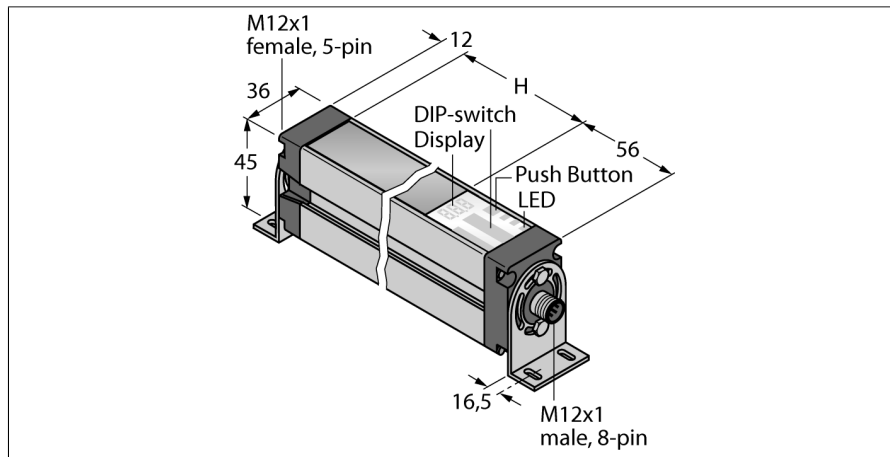


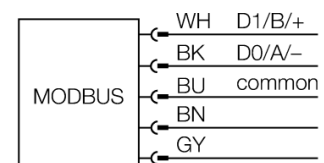
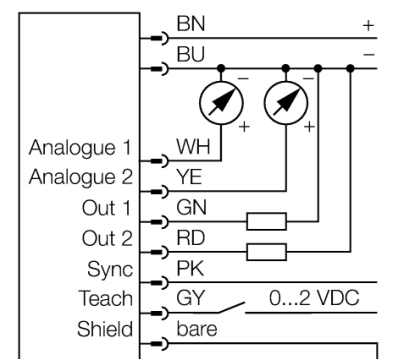
Measuring Light Screen Receiver EA5R1800NUXMODQ



Type	EA5R1800NUXMODQ
ID	3076205
Optical data	
Function	Light screen
Operating mode	Receiver
Optical resolution	5 mm
Range	400...4000 mm
Scan field	1800 mm
Number of beams	360
Electrical data	
Operating voltage U_o	15...30 VDC
DC rated operating current I_o	≤ 375 mA
No-load current I_o	≤ 400 mA
Communication protocol	Modbus RTU
	RS485
Output function	2 x NO contact, NPN/Analog output
Type of analog output	0...10 V
Voltage output	0...10 V
Load resistance	$\geq 2000 \Omega$
Readiness delay	≤ 2 s
Response time typical	< 26.5 ms
Blanking function	yes
Mechanical data	
Design	Rectangular, EZ-Array
Housing material	Metal, AL, Anodized
Lens	plastic, Acrylic
Electrical connection	Connector, M12 $\times$ 1
Ambient temperature	-40...+70 °C
Protection class	IP65
Power-on indication	
	LED, Red
Error indication	
	LED, red (dual color LED)
Excess gain indication	
	LED, red

- Male M12 $\times$ 1, 8-pin
- Scan field 1800 mm
- Protection class IP65
- Resolution 5 mm
- Max. range 4 m
- 2 $\times$ EZA-MBK-11 brackets included in delivery
- Operating voltage 15...30 VDC
- 2x NPN switching output
- 2 x analog outputs 0...10 V
- Modbus RTU via RS485, female M12 $\times$ 1, 5-pin
- Supports baud rates: 9600, 19200, 38400, 57600 and 115200 Bd

Wiring Diagram



Functional principle

Tests/approvals

Approvals

CE

The measuring light screen EZ-Array is ideal for sizing and product profiling, edge and centre guiding, sag and hole detection as well as parts counting. The two-part light screen is easily installed. The electronics is incorporated in the receiver housing and can be configured via 6 DIP switches. For special functions, the screen can be adjusted via PC with the enclosed software. To synchronize emitter and receiver just interconnect the sync-outputs of both.

Accessories

Type code	Ident no.		Dimension drawing
EZA-MBK-11	3071470	Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm	
EZA-MBK-12	3071756	Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm	
EZA-MBK-20	3072587	Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm	