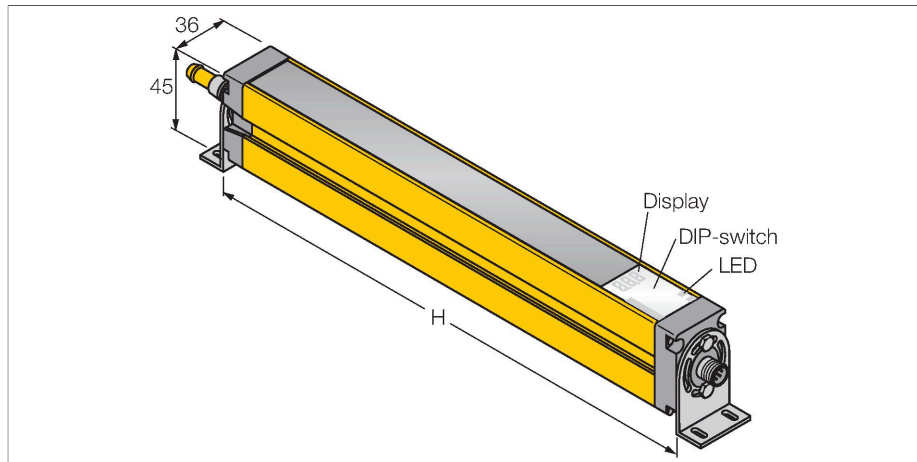


# SLSCR30-1050P8

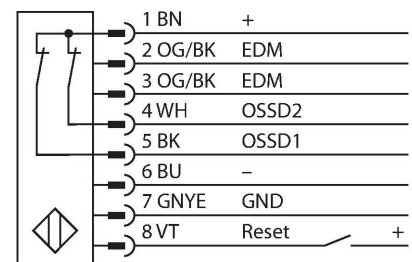
## Light Screen for Machine Safety Applications – Cascadable Receiver



### Features

- Male M12 × 1, 8-pin
- Blanking function
- Up to 4 modules cascadable
- Protection class IP65
- Adjustment via DIP switch
- Operating voltage 24 VDC ±15 %
- Resolution 30 mm
- Scan field 1050 mm
- All devices incl. 2 EZA-MBK-11 mounting brackets; 900 mm devices and longer additionally incl. 1 EZA-MBK-12

### Wiring diagram



### Functional principle

The high-resolution safety light screen for personnel protection consists of an emitter and a receiver. The system is optically synchronized, making the wiring between emitter and receiver redundant. The receiver's safety switching outputs are directly connected to a load relay and trigger an immediate stop of the dangerous machine cycle. Personnel safety degree type 4 acc. to IEC 61496 is fulfilled through 2 channel monitoring of the switching device and the multiple-redundant construction with mutual processor control.

### Technical data

Type	SLSCR30-1050P8
ID no.	3073942
<b>Optical data</b>	
Function	Light screen
Optical resolution	30 mm
Range	100...18000 mm
Scan field	1050 mm
Number of beams	70
With muting function	no
Scan Code	Adjustable
<b>Electrical data</b>	
Operating voltage	20...28 VDC
Residual ripple	< 10 % U <sub>ss</sub>
DC rated operational current	≤ 275 mA
No-load current	≤ 275 mA
Max. current safe output	0.5 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2 x NC (normally closed), 2 x PNP
Current output	0...500 mA
Number of safe semiconductor outputs	2
Response time typical	< 21 ms
With restart interlock	yes
Blanking function	yes
<b>Mechanical data</b>	
Design	Rectangular, EZ-Screen

Technical data

Dimensions	45 x 36 x 1120 mm
Housing material	Metal, AL, Yellow polyester
Lens	plastic, Acrylic
Cascadable	yes
Electrical connection	Cable with connector, M12 × 1
Number of cores	8
Ambient temperature	0...+50 °C
Protection class	IP65
Power-on indication	LED, Green
Switching state	2-color LED, Red
Tests/approvals	
Vibration resistance	10-55 Hz at 0.35 mm
Shock test	10 g at 16 ms (6000 cycles)
Approvals	CE, cULus listed

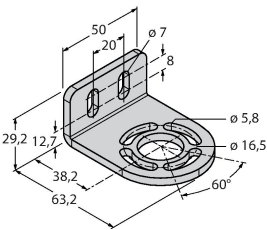
Accessories

EZA-MBK-213073319

Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm

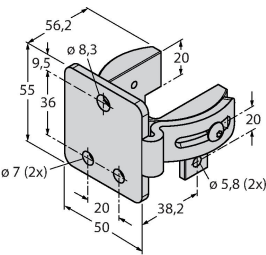
EZA-MBK-113071470

Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm



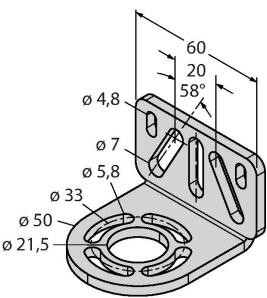
EZA-MBK-123071756

Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm








EZA-MBK-203072587

Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm



## Accessories

Dimension drawing	Type	ID no.	
	QDE-815D	3070883	Connection cable for safety light screens, PVC, yellow, length 4.57 m, female connection, M12 x 1, 8-pin
	QDE-825D	3070884	Connection cable for safety light screens, PVC, yellow, length 7.62 m, female connection, M12 x 1, 8-pin
	QDE-850D	3070885	Connection cable for safety light screens, PVC, yellow, length 15.3 m, female connection, M12 x 1, 8-pin
	QDE-875D	3071466	Connection cable for safety light screens, PVC, yellow, length 22.9 m, female connection, M12 x 1, 8-pin
	QDE-8100D	3071467	Connection cable for safety light screens, PVC, yellow, length 30.5 m, female connection, M12 x 1, 8-pin
	DEE2R-81D	3072205	Connection cable, PVC, yellow, length: 0.31 m, female M12 x 1 - male M12, 8-pin
	DEE2R-83D	3072206	Connection cable, PVC, yellow, length: 0.91 m, female M12 x 1 - male M12, 8-pin
	DEE2R-88D_	3072635	Connection cable, PVC, yellow, length: 2.44 m, female M12 x 1 - male M12, 8-pin
	DEE2R-815D	3072207	Connection cable, PVC, yellow, length: 4.57 m, female M12 x 1 - male M12, 8-pin
	DEE2R-825D	3072208	Connection cable, PVC, yellow, length: 7.62 m, female M12 x 1 - male M12, 8-pin
	DEE2R-850D	3072209	Connection cable, PVC, yellow, length: 15.2 m, female M12 x 1 - male M12, 8-pin
	DEE2R-875D	3072210	Connection cable, PVC, yellow, length: 22.9 m, female M12 x 1 - male M12, 8-pin
	DEE2R-8100D	3072211	Connection cable, PVC, yellow, length: 30.5 m, female M12 x 1 - male M12, 8-pin
	CSB-M1280M1280	3075375	Y-piece, PVC, yellow, with male M12 x 1, 8-pin on 2 x 0.3 m cable, PVC, yellow, with female M12 x 1, 8-pin
	CSB-M1281M1281	3073252	Y-piece, PVC, yellow, length: 0.3 m with male, M12 x 1, 8-pin on 2 x 0.3 m cable, PVC, yellow, with female, M12 x 1, 8-pin
	CSB-M1288M1281	3073253	Y-piece, PVC, yellow, length: 2.5 m with male, M12 x 1, 8-pin on 2 x 0.3 m cable, PVC, yellow, with female, M12 x 1, 8-pin
	CSB-M12815M1281	3073254	Y-piece, PVC, yellow, length: 4.6 m with male, M12 x 1, 8-pin on 2 x 0.3 m cable,

Dimension drawing	Type	ID no.	
			PVC, yellow, with female, M12 x 1, 8-pin
	CSB-M12825M1281	3073255	Y-piece, PVC, yellow, length: 7.6 m with male, M12 x 1, 8-pin on 2 x 0.3 m cable, PVC, yellow, with female, M12 x 1, 8-pin
	DEE2R-88D	3094306	Connection cable, PVC, yellow, length: 2.44 m, M12 x 1 female connector, 8-pin, on M12 x 1 male connector, 8-pin

Accessories

Dimension drawing	Type	ID no.	
	IM-T-9A	3061425	Safety relay, category 4 acc. to ISO 13849-1 (EN 954.1), 2 inputs, 3 NO outputs, 24 VDC, supplies max. 6 A, 20 ms response time

