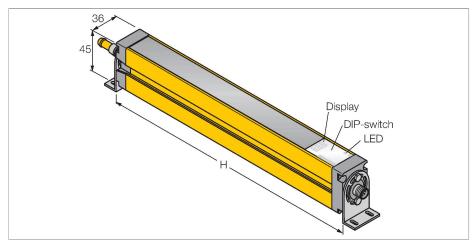


SLSCE30-1800P8 Light Screen for Machine Safety Applications – cascadable emitter



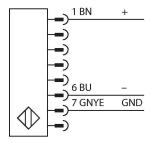
Technical data

ID no. 3073925	Туре	SLSCE30-1800P8		
Euctrical data Operating voltage DC rated operational current Short-circuit protection Response time typical With restart interlock Blanking function Residual ripale Residual ripale Residual ripale Residual ripale Response time typical Residual ripale Residual ripale Response time typical Residual ripale Residual ripale Response time typical Response time typical Response time typical Residual ripale Response time typical Response t	ID no.	3073925		
Light type IR Wavelength 950 nm Optical resolution 30 mm Range 10018000 mm Scan field 1800 mm Number of beams 120 With muting function no Scan Code Adjustable Electrical data Operating voltage 2028 VDC Residual ripple < 10 % U₅ DC rated operational current ≤ 100 mA Short-circuit protection yes Reverse polarity protection yes Response time typical < 32 ms With restart interlock yes Blanking function yes Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Optical data			
Wavelength 950 nm Optical resolution 30 mm Range 10018000 mm Scan field 1800 mm Number of beams 120 With muting function no Scan Code Adjustable Electrical data Operating voltage 2028 VDC Residual ripple <10 % Uss DC rated operational current ≤100 mA Short-circuit protection yes Reverse polarity protection yes Response time typical <32 ms With restart interlock yes Blanking function yes Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Function	Light screen		
Optical resolution 30 mm Range 10018000 mm Scan field 1800 mm Number of beams 120 With muting function no Scan Code Adjustable Electrical data Operating voltage Operating voltage 2028 VDC Residual ripple < 10 % U₂s	Light type	IR		
Range10018000 mmScan field1800 mmNumber of beams120With muting functionnoScan CodeAdjustableElectrical data2028 VDCOperating voltage2028 VDCResidual ripple< 10 % U₂₅	Wavelength	950 nm		
Scan field Number of beams 120 With muting function Scan Code Electrical data Operating voltage 2028 VDC Residual ripple <10 % U₂₂ DC rated operational current Short-circuit protection Reverse polarity protection Response time typical With restart interlock Blanking function Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Optical resolution	30 mm		
Number of beams 120 With muting function no Scan Code Adjustable Electrical data 2028 VDC Residual ripple < 10 % U₂s	Range	10018000 mm		
With muting function no Scan Code Adjustable Electrical data 2028 VDC Operating voltage 2028 VDC Residual ripple < 10 % U₅	Scan field	1800 mm		
Scan Code Adjustable Electrical data 2028 VDC Residual ripple < 10 % U₅₅	Number of beams	120		
Electrical data Operating voltage 2028 VDC Residual ripple < 10 % U₃s	With muting function	no		
Operating voltage 2028 VDC Residual ripple < 10 % U₅s	Scan Code	Adjustable		
Residual ripple < 10 % U₅s	Electrical data			
DC rated operational current ≤ 100 mA Short-circuit protection yes Reverse polarity protection yes Response time typical < 32 ms	Operating voltage	2028 VDC		
Short-circuit protection yes Reverse polarity protection yes Response time typical < 32 ms With restart interlock yes Blanking function yes Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Residual ripple	< 10 % U _{ss}		
Reverse polarity protection Response time typical Vith restart interlock Blanking function Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	DC rated operational current	≤ 100 mA		
Response time typical < 32 ms With restart interlock yes Blanking function yes Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Short-circuit protection	yes		
With restart interlock Blanking function yes Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Reverse polarity protection	yes		
Blanking function Mechanical data Design Rectangular, EZ-Screen Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Response time typical	< 32 ms		
Mechanical dataDesignRectangular, EZ-ScreenDimensions45 x 36 x 1869 mmHousing materialMetal, AL, Yellow polyester	With restart interlock	yes		
DesignRectangular, EZ-ScreenDimensions45 x 36 x 1869 mmHousing materialMetal, AL, Yellow polyester	Blanking function	yes		
Dimensions 45 x 36 x 1869 mm Housing material Metal, AL, Yellow polyester	Mechanical data			
Housing material Metal, AL, Yellow polyester	Design	Rectangular, EZ-Screen		
	Dimensions	45 x 36 x 1869 mm		
Lens plastic, Acrylic	Housing material	Metal, AL, Yellow polyester		
	Lens	plastic, Acrylic		

Features

- Male M12 × 1, 8-pin
- ■Up to 4 modules cascadable
- Protection class IP65
- Adjustment via DIP switch
- Operating voltage 24 VDC +-15 %
- Resolution 30 mm
- Scan field 1800 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.

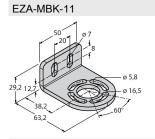


Technical data

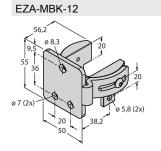
Cascadable	yes
Electrical connection	Cable with connector, M12 × 1
Number of cores	8
Ambient temperature	0+50 °C
Protection class	IP65
Power-on indication	LED, Green
Tests/approvals	
Vibration resistance	10-55 Hz at 0.35 mm
Shock test	10 g at 16 ms (6000 cycles)
Approvals	CE, cULus listed

Accessories

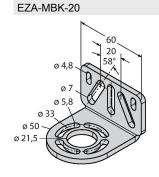
EZA-MBK-21	3073319
	Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard 14 & 30 mm



3071470 Mounting bracket, steel, blackfinished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm



3071756 Mounting bracket, steel, blackfinished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm



3072587 Mounting bracket, steel, blackfinished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm



Accessories

	_		
Dimension drawing	Туре	ID no.	
#145. M32 #1	QDE-815D	3070883	Connection cable for safety light screens, PVC, yellow, length 4.57 m, female connection, M12 x 1, 8-pin
#145. M/2 ± 1	QDE-825D	3070884	Connection cable for safety light screens, PVC, yellow, length 7.62 m, female connection, M12 x 1, 8-pin
#145 MI2#1	QDE-850D	3070885	Connection cable for safety light screens, PVC, yellow, length 15.3 m, female connection, M12 x 1, 8-pin
#145 M72 x 1	QDE-875D	3071466	Connection cable for safety light screens, PVC, yellow, length 22.9 m, female connection, M12 x 1, 8-pin
#145 MI2 x 1	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	Туре	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 × 1 female connector, 8-pin, on M12 × 1 male connector, 8-pin