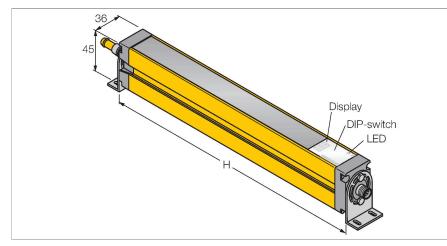


SLSCE30-750Q8 Light Screen for Machine Safety Applications – cascadable emitter



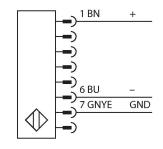
Technical data

Туре	SLSCE30-750Q8		
ID	3072409		
Optical data			
Function	Light screen		
Light type	IR		
Wavelength	950 nm		
Optical resolution	30 mm		
Range	10018000 mm		
Scan field	750 mm		
Number of beams	50		
With muting function	no		
Scan Code	Adjustable		
Electrical data			
Operating voltage	2028 VDC		
Residual ripple	< 10 % U _{ss}		
DC rated operational current	≤ 100 mA		
Short-circuit protection	yes		
Reverse polarity protection	yes		
Response time typical	< 17 ms		
With restart interlock	yes		
Blanking function	yes		
Mechanical data			
Design	Rectangular, EZ-Screen		
Dimensions	45 x 36 x 821 mm		
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 750 mm
- All devices incl. 2 EZA-MBK-11 mounting brackets; 900 mm devices and longer additionally incl. 1 EZA-MBK-12
- Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008
- Type 4 according to IEC 61496-1,-2
- SIL 3 to IEC 61508

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	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

3073319	FZA-MRK-11	3071470
Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard 14 & 30 mm	29.2 12.7 38.2 63.2 60 60 60 60	Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard and cascade 14 & 30 mm
3071756	EZA-MBK-20	3072587
Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard and cascade 14 & 30 mm	ø 4,8 ø 7 ø 5,8 ø 20 58° ø 50 ø 21,5	Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard 14 & 30 mm
Туре	ID	
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
	finished, for EZ-ARRAY and EZ- SCREEN standard 14 & 30 mm 3071756 Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard and cascade 14 & 30 mm Type QDE-815D QDE-825D	Mounting bracket, steel, black- finished, for EZ-ARRAY and EZ- SCREEN standard 14 & 30 mmImage: Constraint of the standard of



Dimension drawing	Туре	ID	
s 145 M311	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, 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