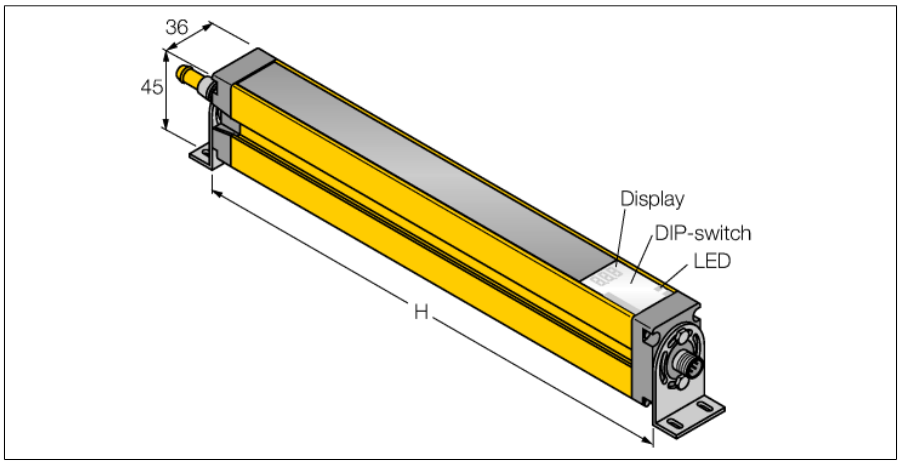
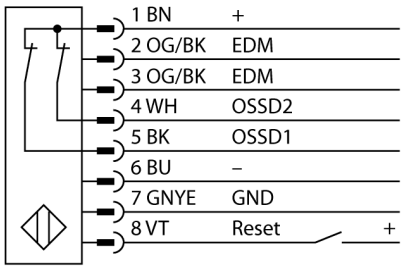
light screen for machine safety applications
cascadable receiver
SLSCR30-1650Q8



Type code	SLSCR30-1650Q8
Ident no.	3072433
Operating mode	light screen
Optical resolution	30 mm
Range	100…18000 mm
Detection zone height	1650 mm
Ambient temperature	0…+50 °C
Operating voltage	20…28VDC
Residual ripple	< 10 % U_{ss}
No-load current I_0	≤ 275 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2x NC, 2 x PNP
Current output	0…500mA
Response time	< 30 ms
Design	rectangular, EZ-Screen
Dimensions	45 x 36 x 1719 mm
Housing material	metal, AL, yellow
Lens	plastic, acrylic
Connection	male, M12 x 1
Protection class	IP65
Power-on indication	LED green
Switching state	2-color LED red

- **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**
- **Male M12 x 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 1650 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.

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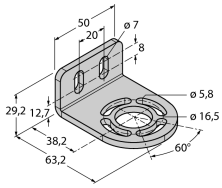
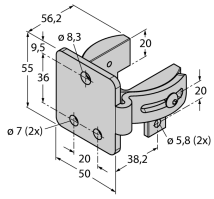
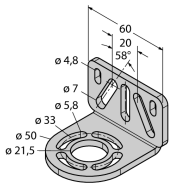
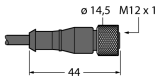
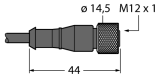
Accessories

Type code	Ident no.	Description	Dimension drawing
EZA-MBK-21	3073319	Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm	
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	

Wiring accessories

Type code	Ident no.	Description	Dimension drawing
QDE-815D	3070883	Connection cable, PVC, yellow, length: 4.57 m, female M12 x 1, 8-pin	
QDE-825D	3070884	Connection cable, PVC, yellow, length: 7.62 m, female M12 x 1, 8-pin	

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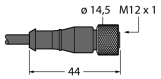
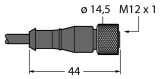
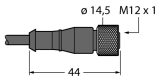
Wiring accessories

Type code	Ident no.	Description	Dimension drawing
QDE-850D	3070885	Connection cable, PVC, yellow, length: 15.3 m, female M12 x 1, 8-pin	
QDE-875D	3071466	Connection cable, PVC, yellow, length: 22.9 m, female M12 x 1, 8-pin	
QDE-8100D	3071467	Connection cable, PVC, yellow, length: 30.5 m, female 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	

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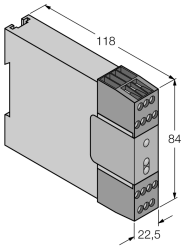
Function accessories

Type code	Ident no.	Description	Dimension drawing
IM-T-9A	3061425	Safety relay, 2 inputs, 3 NO outputs, 24 VDC, provides max. 6 A, 20 ms response time	

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