

# light screen for machine safety applications

## emitter/receiver pair

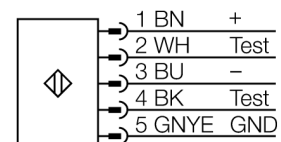
### SLSP30-1350Q85



- 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
- Emitter with test function, male M12 x 1, 5-pin
- Receiver with male M12 x 1, 8-pin
- Blanking function
- Protection class IP65
- Adjustment via DIP switch
- Operating voltage 24 VDC  $\pm$ 15%
- Resolution 30 mm
- Scan field 1350 mm
- All devices incl. 2 EZA-MBK-11 mounting brackets; 900 mm devices and longer additionally incl. 1 EZA-MBK-12

<b>Type code</b>	SLSP30-1350Q85
Ident no.	3071268
<b>Operating mode</b>	light screen
Light type	IR
Wavelength	950 nm
Optical resolution	30 mm
Range	100...18000 mm
Detection zone height	1350 mm
Ambient temperature	0...+50 °C
<b>Operating voltage</b>	20...28VDC
Residual ripple	< 10 % $U_{is}$
No-load current $I_0$	$\leq$ 275 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2x NC, 2 x PNP
Current output	0...500mA
Response time	< 25 ms
<b>Design</b>	rectangular, EZ-Screen
Dimensions	45 x 36 x 1420 mm
Housing material	metal, AL, yellow
Lens	plastic, acrylic
Connection	male, M12 x 1
Protection class	IP65
<b>Power-on indication</b>	LED green
Switching state	2-color LED red

#### 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-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**

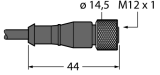
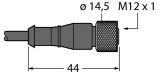
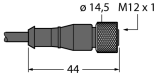
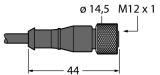
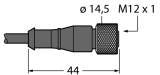
Type code	Ident no.	Description	Dimension drawing
QDE-815D	3070883	Connection cable, PVC, yellow, length: 4.57 m, female M12 x 1, 8-pin	
QDE-825D	3070884	Connection cable, PVC, yellow, length: 7.62 m, female M12 x 1, 8-pin	

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**Wiring accessories**

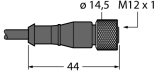
Type code	Ident no.	Description	Dimension drawing
QDE-850D	3070885	Connection cable, PVC, yellow, length: 15.3 m, female M12 x 1, 8-pin	
QDE-875D	3071466	Connection cable, PVC, yellow, length: 22.9 m, female M12 x 1, 8-pin	
QDE-8100D	3071467	Connection cable, PVC, yellow, length: 30.5 m, female M12 x 1, 8-pin	
QDE-515D	3070880	Connection cable, PVC, yellow, length: 4.57 m, female M12 x 1, 5-pin	
QDE-525D	3070881	Connection cable, PVC, yellow, length: 2.44 m, female M12 x 1 - male M12, 8-pin	
QDE-550D	3070882	Connection cable, PVC, yellow, length: 15.3 m, female M12 x 1, 5-pin	
QDE-575D	3071464	Connection cable, PVC, yellow, length: 22.9 m, female M12 x 1, 5-pin	

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Type code	Ident no.	Description	Dimension drawing
QDE-5100D	3071465	Connection cable, PVC, yellow, length: 30.5 m, female M12 x 1, 5-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	
DEE2R-51D	3072333	Connection cable, PVC, yellow, length: 0.31 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-53D	3072334	Connection cable, PVC, yellow, length: 0.91 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-58D	3072636	Connection cable, PVC, yellow, length: 2.44 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-515D	3072335	Connection cable, PVC, yellow, length: 4.57 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-525D	3072336	Connection cable, PVC, yellow, length: 7.62 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-550D	3072337	Connection cable, PVC, yellow, length: 15.2 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-575D	3072338	Connection cable, PVC, yellow, length: 22.9 m, female M12 x 1 - male M12 x 1, 5-pin	
DEE2R-5100D	3072339	Connection cable, PVC, yellow, length: 30.5 m, female M12 x 1 - male M12 x 1, 5-pin	