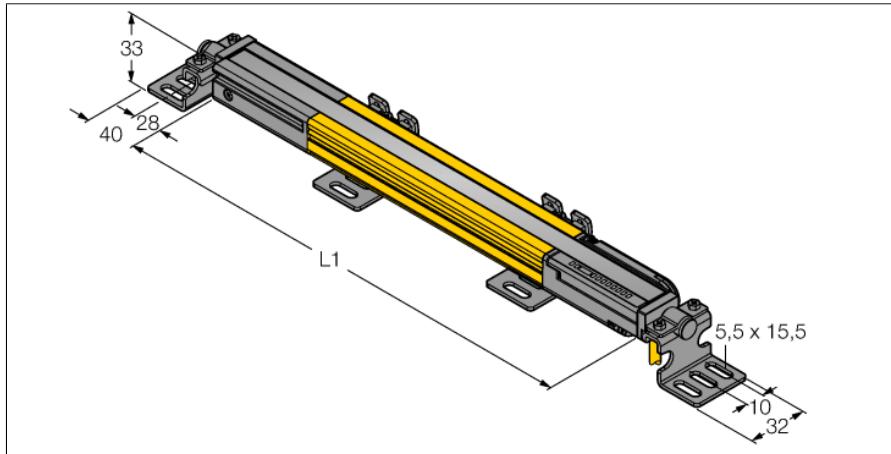


**Personnel safety, light screen  
emitter/receiver pair  
SLPP14-270P88**



Type code SLPP14-270P88  
Ident no. 3083724

**Operating mode** light screen  
Light type IR  
Wavelength 850 nm  
Optical resolution 14 mm  
Range 0...7000 mm  
Detection zone height 270 mm  
Ambient temperature 0...+55 °C

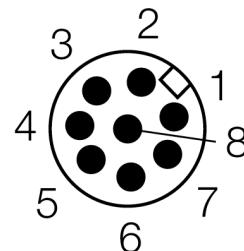
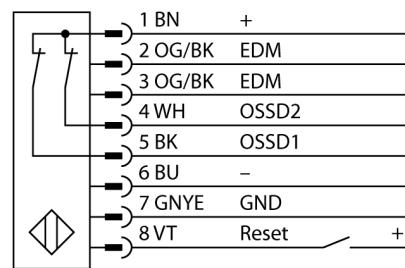
**Operating voltage** 20...28VDC  
Residual ripple < 10 % U<sub>ss</sub>  
No-load current I<sub>o</sub> ≤ 275 mA  
Short-circuit protection yes  
Reverse polarity protection yes  
Output function 2x NC, 2 x PNP  
Response time < 10.5 ms

**Design** rectangular, EZ-Screen LP  
Dimensions 26 x 28 x 270 mm  
Housing material metal, AL, yellow  
Lens plastic, acrylic  
Connection cable with connector, PVC, M12 x 1  
Cable length 300 m  
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
- Cable with male end M12 x 1, 8-pin, 300 mm
- Protection class IP65
- Flat housing without blind zone
- Adjustment via DIP switch
- Resolution can be reduced
- Blanking function
- Operating voltage: 24 VDC ± 15 %
- Resolution 14 mm
- Scan field 270 mm (L1)

**Wiring diagram**



**Functional principle**

The high-resolution safety light curtain is emitter and receiver in one without blind zone. As the system is synchronized optically, wiring between emitter and receiver is redundant. The safety switching outputs of the receiver are directly connected to a load relay (e.g. IM-TA9A) and trigger an immediate stop of the dangerous machine cycle. Personnel safety category PLe according to ISO 13849-1 is fulfilled via 2-channel monitoring of the switching device and the diverse redundant construction with mutual processor control.

**Personnel safety, light screen  
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SLPP14-270P88**

**Accessories**

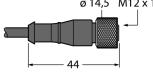
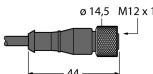
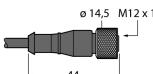
Type code	Ident no.	Description	Dimension drawing
LPA-MBK-11	3082841	Mounting bracket, retainer for closure caps, 14-ga. steel, galvanized, black, 360 ° sensor rotation, incl.2 pcs. with screw set	
LPA-MBK-12	3082842	Mounting bracket, side mounting, 14-ga. steel, galvanized, black, +10°/-30° sensor rotation, incl.1 pcs. with screw set	
LPA-MBK-20	3082853	Mounting bracket, wall mounting, 12-ga. steel, galvanized, black, in combination with LPA-MBK-11/ -12/ -13, incl. 1 pcs. and screw set	
LPA-MBK-22	3082844	Mounting bracket, wall mounting, 14-ga. steel, galvanized, black, in combination with LPA-MBK-11, incl. 2 pcs. and screw set	

**Wiring accessories**

Type code	Ident no.	Description	Dimension drawing
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	
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	

**Personnel safety, light screen  
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SLPP14-270P88**

**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	
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	