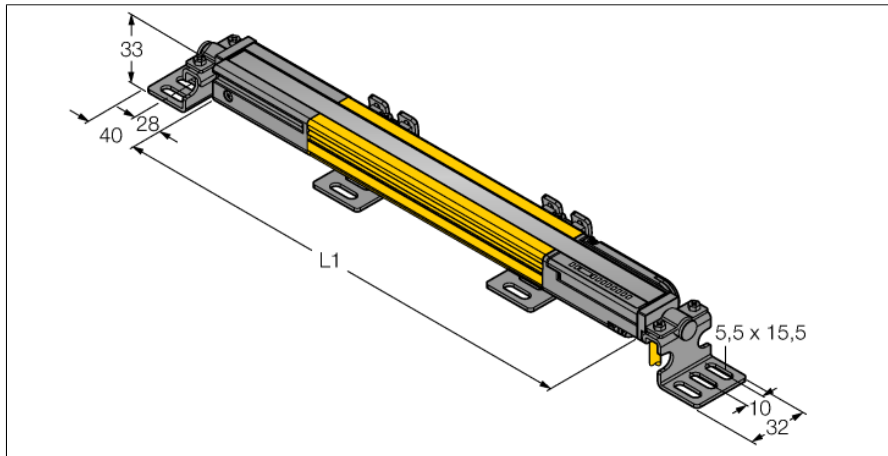


Personnel safety, light screen emitter/receiver pair SLPP14-270P88

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- 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 \pm 15 %
- Resolution 14 mm
- Scan field 270 mm (L1)

Type code SLPP14-270P88
Ident no. 3083724

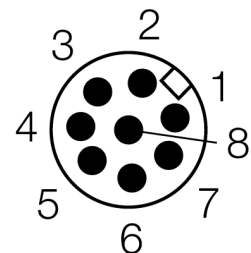
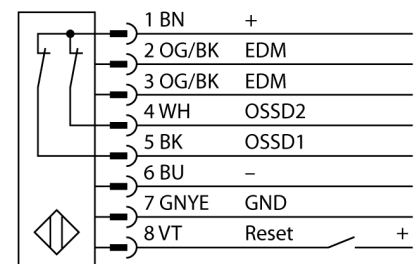
Operating mode light screen
Light type IR
Wavelength 850 nm
Optical resolution 14 mm
Range 0...7000 mm
Detection zone height 270 mm
Ambient temperature 0...+55 °C

Operating voltage 20...28VDC
Residual ripple < 10 % U_{is}
No-load current I_o \leq 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

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
emitter/receiver pair
SLPP14-270P88

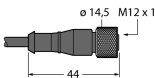
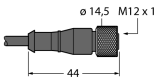
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Accessories

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

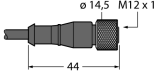
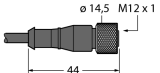
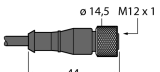
Type code	Ident no.	Description	Dimension drawing
DEE2R-81D	3072205	Connection cable, PVC, yellow, length: 0.31 m, female M12 x 1 - male M12, 8-pin	
DEE2R-83D	3072206	Connection cable, PVC, yellow, length: 0.91 m, female M12 x 1 - male M12, 8-pin	
DEE2R-88D	3072635	Connection cable, PVC, yellow, length: 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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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	