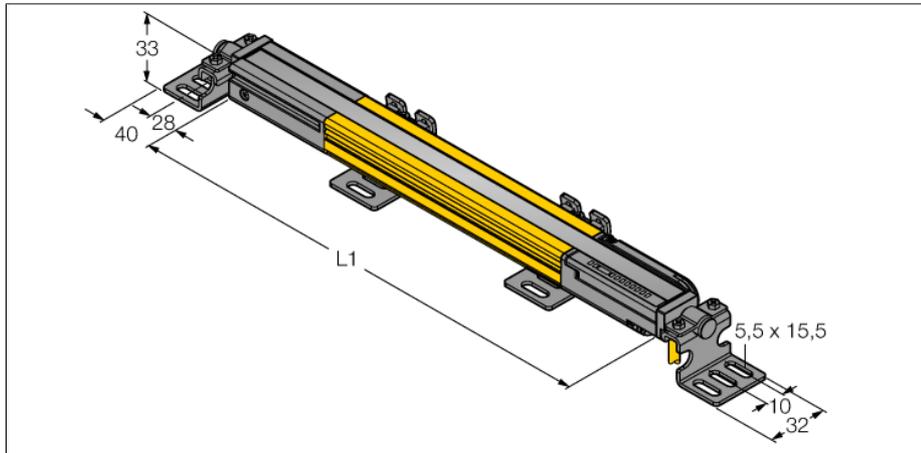


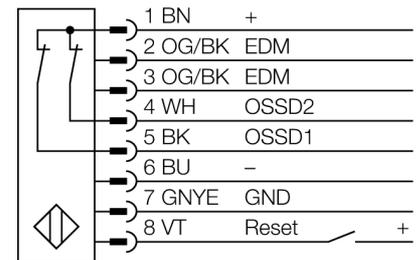
**Personnel safety, light screen**  
**Emitter/receiver pair**  
**SLPP14-690**



- Personnel safety category PLe acc. to ISO 13849-1
- Category 4 according to EN 945-1, or type 4 according to IEC 61496-1, -2
- SIL 3 to IEC 61508
- Flat housing without blind zone
- Adjustment via DIP switch
- Adjustment of reduced resolution
- Blanking function
- Resolution 14 mm
- Scan field 690 mm (L1)
- Operating voltage 24 VDC  $\pm$ 15%
- Electrical connection via RDLP-8 connector with open end or DELPE-8 with M12x1 male, 8-pole
- Degree of protection IP65

<b>Type</b>	SLPP14-690
Ident-No.	3083773
<b>Operating mode</b>	light screen
Light type	IR
Wavelength	850 nm
Optical resolution	14 mm
Range	0...7000 mm
Detection zone height	690 mm
Ambient temperature	0...+55 °C
<b>Operating voltage</b>	20...28VDC
No-load current $I_0$	$\leq$ 32 mA
Output function	2x NC, 2 x PNP
Response time	< 19.5 ms
<b>Design</b>	rectangular, EZ-Screen LP
Dimensions	26 mm x 28 mm x 689 mm
Housing material	Metal, AL
Lens	plastic, acrylic
Connection	connector
Protection class	IP65
<b>Operating voltage</b>	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. The switching device with 2-channel monitoring, diverse redundant designed and mutual processor control, complies with the personnel safety category PLe acc. to ISO 13849-1.