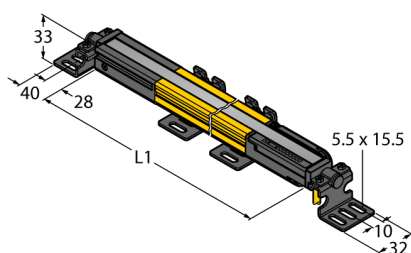


Safety Light Curtain Kit SLPK14-690P88-1RE15



- Cable with M12 × 1 connector, 300 mm, 8-pin
- Protection class IP65
- Flat housing without blind zone
- Adjustments via DIP switch
- Reducible resolution
- Blanking function
- Operating voltage: 24 VDC ± 15 %
- Resolution 14 mm
- Scan field 690 mm (L1)
- Personnel safety category 4, PL e acc. to EN ISO 13849-1:2008
- Type 4 acc. to IEC 61496-1,-2
- SIL 3 to IEC 61508

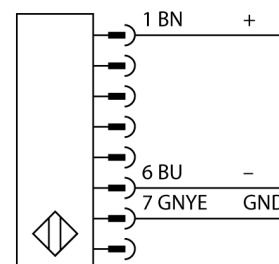
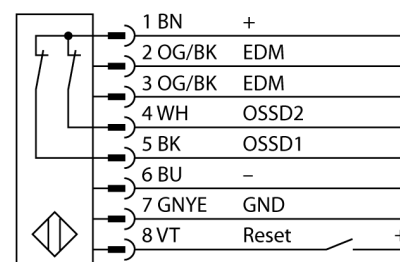
Type	SLPK14-690P88-1RE15
ID	3019517

Optical data	
Function	Light screen
Light type	IR
Wavelength	850 nm
Optical resolution	14 mm
Range	100...7000 mm
Scan field	690 mm
Number of beams	69
With muting function	No

Electrical data	
Operating voltage U_s	20...28 VDC
Residual ripple	< 10 % U_s
No-load current I_0	≤ 275 mA
Max. current safe output	500 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2 x NC contact, 2 x PNP
Number of safe semiconductor outputs	2
Response time typical	< 19.5 ms
With restart interlock	yes
Blanking function	yes

Mechanical data	
Design	Rectangular, EZ-Screen LP
Housing material	Metal, Yellow
Lens	plastic, Acrylic
Cascadable	No
Electrical connection	Cable with connector, M12 × 1, 0.3 m
Ambient temperature	0...+55 °C
Protection class	IP65
Power-on indication	LED, Green
Switching state	2-color LED, Red

Wiring Diagram



Functional principle

The high-resolution safety light curtain without blind zone consists of an emitter and a receiver. As the system is optically synchronized, no wiring between the emitter and receiver is required. The safety switching outputs of the receiver are directly connected to a load relay (e.g. IM-T-9A) and trigger an immediate stop of dangerous machine cycles. Due to the 2-channel monitoring of the switching device and the diverse redundancy of the design, which involves two processors controlling each other mutually, the requirements of personnel safety PL e acc. to ISO 13849-1 are fulfilled.

Tests/approvals**Approvals**

CE, cTUVus, PL e acc. to EN ISO 13849-1:2008,
SIL 3 acc. to IEC 61508

Accessories

Type code	Ident no.		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	