

light screen for machine safety applications  
emitter/receiver pair  
LS2LP30-1350Q88



- Type 2 acc. to IEC 61496-1,-2; category 2 PLd acc. to EN ISO 13849-1; SIL2 acc. to IEC 61508
- Male M12 x 1, 8-pin
- Protection class IP65
- Scan field 1350 mm
- Resolution 30 mm
- Internal testing in 500 ms cycle
- Range 15 m
- Operating voltage 24 VDC +/-15%
- Switching output with LATCH
- Muting is not supported

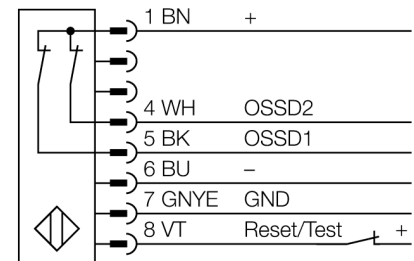
**Type code** LS2LP30-1350Q88  
**Ident no.** 3073572

**Operating mode** light screen  
**Light type** IR  
**Wavelength** 950 nm  
**Optical resolution** 30 mm  
**Range** 200...15000 mm  
**Detection zone height** 1350 mm  
**Ambient temperature** 0...+55 °C

**Operating voltage** 20...28VDC  
**Residual ripple** < 15 % U<sub>s</sub>  
**No-load current I<sub>0</sub>** ≤ 90 mA  
**Output function** 2x NC, 2 x PNP  
**Response time** < 24 ms

**Design** rectangular, EZ-Screen  
**Dimensions** 31.8 x 25.2 x 1414 mm  
**Housing material** metal, AL, yellow  
**Lens** plastic, acrylic  
**Connection** male, M12 x 1  
**Protection class** IP65

**Power-on indication** LED green  
**Switching state** LED red

**Wiring diagram**

**Functional principle**

The safety light curtain 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. Due to the dual-channel design of the switching device, personal safety degree type 2 acc. to IEC 61496 and category 2 acc. to EN 9541 are fulfilled.