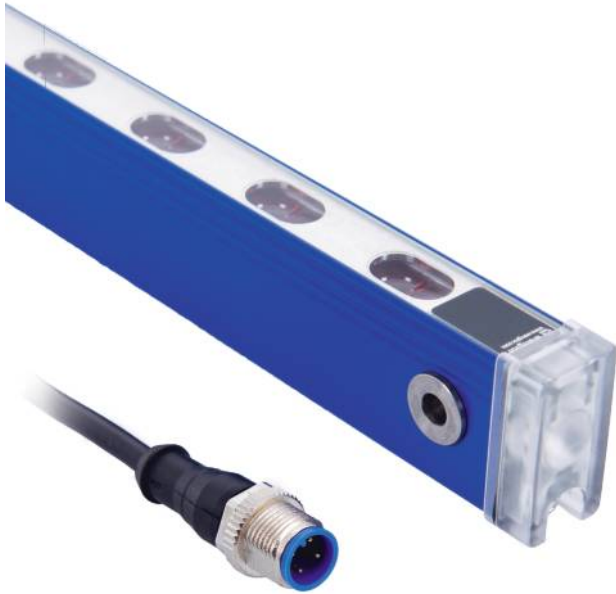


Light Curtain

Pick-to-Light

OLEB272C0102

Part Number



- 360° visible, two-color job display
- Error prevention during partial picking processes in shelves and storage locations
- Low mounting thanks to integrated reflector
- Rugged aluminium housing

Pick to light light curtains use the single-lens reflex principle. The necessary reflector is pre-installed on the rear of the housing and serves as a reflective surface for the neighboring light curtain, making installation easier. The integrated two-color light from the job display is visible from 360° and shows both correct and incorrect picks.



Technical Data

Optical Data

| | |
|--------------------------------|-----------|
| Range | 2000 mm |
| Min. Distance to Reflector | 100 mm |
| Measurement Field Height (MFH) | 270 mm |
| Beam Distance | 30 mm |
| Switching Hysteresis | < 15 % |
| Light Source | Red Light |
| Polarization Filter | yes |
| Service Life (T = +25 °C) | 100000 h |
| Max. Ambient Light | 10000 Lux |
| Opening Angle | 2,5 ° |
| Two-Lens Optic | yes |

Electrical Data

| | |
|---|--------------|
| Supply Voltage | 10...30 V DC |
| Current Consumption (U _b = 24 V) | < 50 mA |
| Switching Frequency | 60 Hz |
| Response Time | 8 ms |
| Temperature Drift | < 10 % |
| Temperature Range | -25...60 °C |
| Switching Output Voltage Drop | < 2,5 V |
| PNP Switching Output/Switching Current | 200 mA |
| Residual Current Switching Output | < 50 µA |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Protection Class | III |

Mechanical Data

| | |
|-----------------------|----------------|
| Setting Method | Teach-In |
| Housing Material | Aluminum |
| Degree of Protection | IP65 |
| Connection | M12 × 1; 4-pin |
| Cable Length | 250 mm |
| Housing Length (L) | 396 mm |
| Reflector Length (RL) | 324 mm |

PNP NO/NC switchable

Connection Diagram No.

190

Control Panel No.

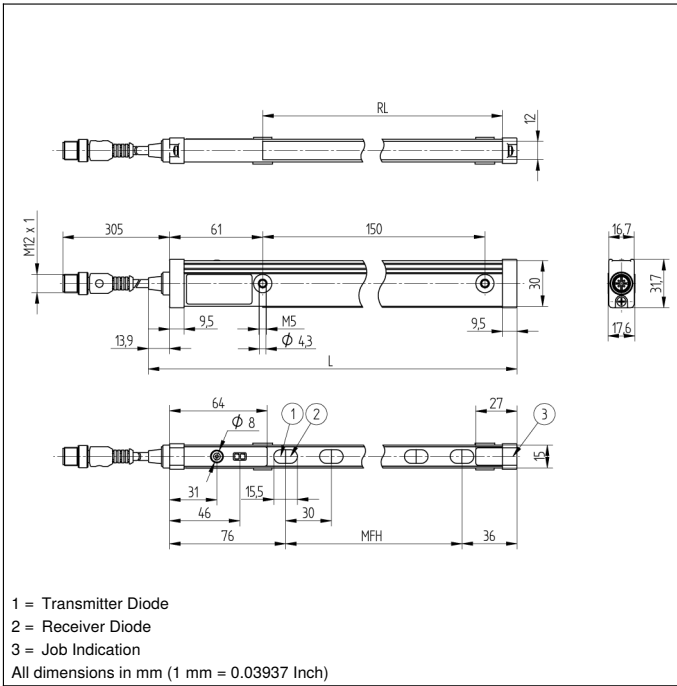
EB1

Suitable Connection Equipment No.

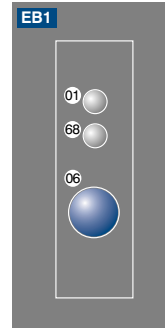
2

Complementary Products

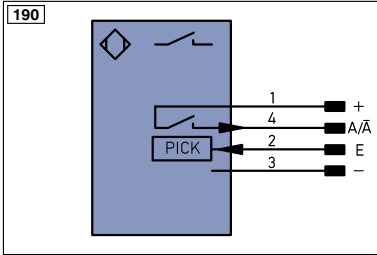
| |
|-------------------------------|
| PNP-NPN Converter BG2V1P-N-2M |
| Reflector Foil ZRDF10K01 |
| Reflector ZRDE12B02 |



Ctrl. Panel



01 = Switching Status Indicator
 06 = Teach Button
 68 = Supply Voltage Indicator



Legend

| | | | | | |
|-----------------------|--|-----------------|--------------------------------|--------------------------------------|----------------------------|
| + | Supply Voltage + | PT | Platinum measuring resistor | EN ^A RS422 | Encoder A/ \bar{A} (TTL) |
| - | Supply Voltage 0 V | nc | not connected | EN ^B RS422 | Encoder B/ \bar{B} (TTL) |
| ~ | Supply Voltage (AC Voltage) | U | Test Input | EN ^A | Encoder A |
| A | Switching Output (NO) | \bar{U} | Test Input inverted | EN ^B | Encoder B |
| \bar{A} | Switching Output (NC) | W | Trigger Input | A _{MIN} | Digital output MIN |
| V | Contamination/Error Output (NO) | W- | Ground for the Trigger Input | A _{MAX} | Digital output MAX |
| \bar{V} | Contamination/Error Output (NC) | O | Analog Output | A _{OK} | Digital output OK |
| E | Input (analog or digital) | O- | Ground for the Analog Output | SY _{in} | Synchronization In |
| T | Teach Input | BZ | Block Discharge | SY _{OUT} | Synchronization OUT |
| Z | Time Delay (activation) | A _{WV} | Valve Output | OL _T | Brightness output |
| S | Shielding | a | Valve Control Output + | M | Maintenance |
| RxD | Interface Receive Path | b | Valve Control Output 0 V | rsv | reserved |
| TxD | Interface Send Path | SY | Synchronization | Wire Colors according to DIN IEC 757 | |
| RDY | Ready | SY- | Ground for the Synchronization | BK | Black |
| GND | Ground | E+ | Receiver-Line | BN | Brown |
| CL | Clock | S+ | Emitter-Line | RD | Red |
| E/A | Output/Input programmable | ⊕ | Grounding | OG | Orange |
| | IO-Link | S _{nR} | Switching Distance Reduction | YE | Yellow |
| PoE | Power over Ethernet | Rx+/- | Ethernet Receive Path | GN | Green |
| IN | Safety Input | Tx+/- | Ethernet Send Path | BU | Blue |
| OSSD | Safety Output | Bus | Interfaces-Bus A(+)/B(-) | VT | Violet |
| Signal | Signal Output | L _a | Emitted Light disengageable | GY | Grey |
| Bl_D+/- | Ethernet Gigabit bidirect. data line (A-D) | Mag | Magnet activation | WH | White |
| EN ⁰ RS422 | Encoder 0-pulse 0-0 (TTL) | RES | Input confirmation | PK | Pink |
| | | EDM | Contactur Monitoring | GNYE | Green/Yellow |

