

Light Curtain

Pick-to-Light

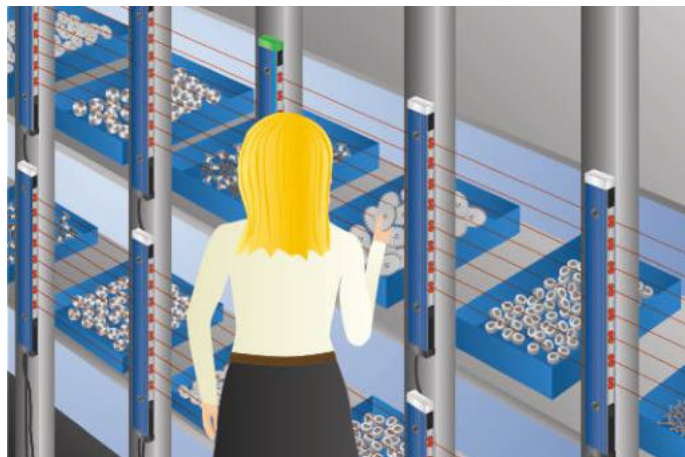
OLEB422C0102

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)	420 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	40 Hz
Response Time	12 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)	546 mm
Reflector Length (RL)	486 mm

PNP NO/NC switchable

Connection Diagram No.

Control Panel No.

Suitable Connection Equipment No.

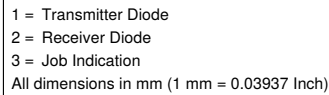
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EB1

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Complementary Products

PNP-NPN Converter BG2V1P-N-2M
Reflector Foil ZRDF10K01
Reflector ZRDE12B03



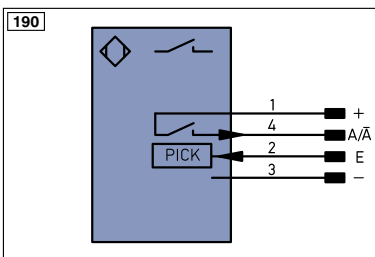
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01

68

06

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



+	Supply Voltage +	nc	not connected
–	Supply Voltage 0 V	U	Test Input
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted
A	Switching Output (NO)	W	Trigger Input
Ā	Switching Output (NC)	W–	Ground for the Trigger Input
V	Contamination/Error Output (NO)	O	Analog Output
Ṽ	Contamination/Error Output (NC)	O–	Ground for the Analog Output
E	Input (analog or digital)	BZ	Block Discharge
T	Teach Input	AWV	Valve Output
Z	Time Delay (activation)	a	Valve Control Output +
S	Shielding	b	Valve Control Output 0 V
RxD	Interface Receive Path	SY	Synchronization
TxD	Interface Send Path	SY–	Ground for the Synchronization
RDY	Ready	E+	Receiver-Line
GND	Ground	S+	Emitter-Line
CL	Clock	⊕	Grounding
E/A	Output/Input programmable	SnR	Switching Distance Reduction
	IO-Link	Rx+/-	Ethernet Receive Path
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)
QSSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
Bl-D/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
EN0 r5422	Encoder 0-pulse 0-0 (TTL)	EDM	Contactor Monitoring

EN _A 5422	Encoder A/ $\bar{A}$ (TTL)
EN _B 5422	Encoder B/B (TTL)
EN _A	Encoder A
EN _B	Encoder B
AMIN	Digital output MIN
AMAX	Digital output MAX
AOK	Digital output OK
SY in	Synchronization In
SY OUT	Synchronization OUT
OLT	Brightness output
M	Maintenance
rsv	reserved
Wire Colors according to DIN IEC 757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green/Yellow