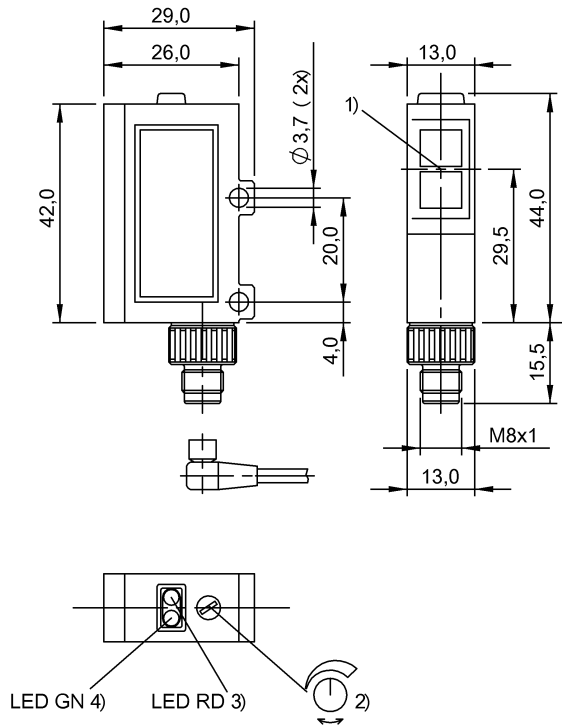




1) Optical axis, 2) Sn, 3) Output function, 4) stability



Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Photoelectric sensor
Reference emitter	BLS 15K-R-G5-..
Series	15K
Style	Square Connection 90°

Display/Operation

Adjuster	Potentiometer 270°
Display	Output function - LED red Stability - LED green
Setting	Sensitivity (Sn)

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.5 µF
No-load current I _o max. at Ue	30 mA
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	100 mA
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	8 %
Switching frequency	250 Hz
Turn-off delay t _{off} max.	2 ms
Turn-on delay t _{on} max.	2 ms
Utilization category	DC -13
Voltage drop U _d max. at I _e	1.5 V

Environmental conditions

Ambient temperature	-15...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, amplitude 1.5 mm, 3x2 h
IP rating	IP66

Interface

Switching output	PNP normally open/normally closed (NO/NC)
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Material

Housing material	ABS
Material sensing surface	PMMA

Mechanical data

Dimension	13 x 59.5 x 29 mm
Mounting part	Screw M3

Remarks

The sensor is functional again after the overload has been eliminated.
Order accessories separately.
For additional information, refer to user's guide.
Actuation object (target): gray card, 200 x 200, lateral approach.

Optical features

Ambient light max.	3000 Lux
Light type	Infrared
Principle of optical operation	Through-beam sensor (receiver)
Switching function, optical	dark-on/light-on

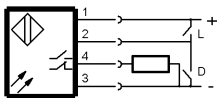
Range/Distance

Range	0...5 m
Rated operating distance Sn	5 m, Adjustable

Connector Drawings



Wiring Diagrams (Schematic)



Opto Symbols

