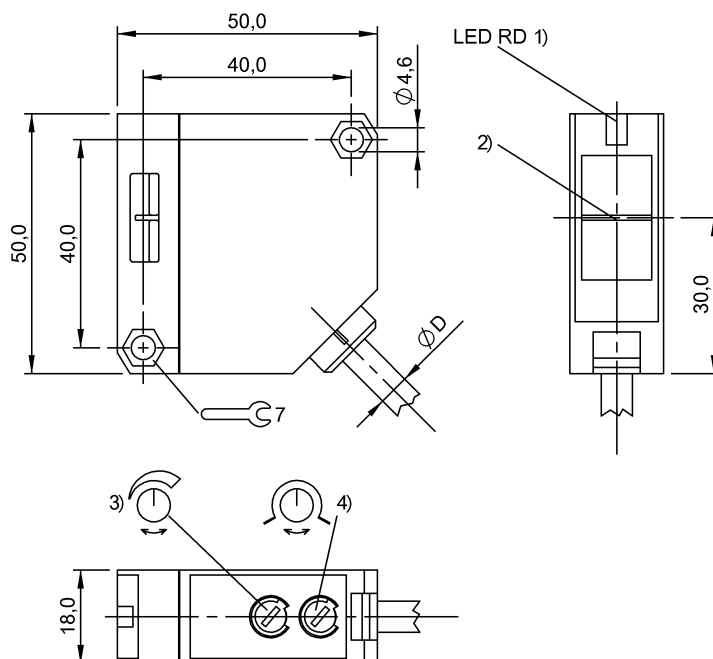




1) Output function 2) Optical axis 3) Sn 4) Light-on/dark-on



Display/Operation

Adjuster	Potentiometer 270° (2x)
Display	Output function - LED red
Setting	Light-on/dark-on Sensitivity (Sn)

Electrical connection

Cable diameter D	5.00 mm
Cable length L	2 m
Conductor cross-section	0.25 mm ²
Connection	Cable, 2.00 m, PVC
Connection type	Cable, 2.00 m, PVC
Number of conductors	5

Electrical data

No-load current I _o max. at U _e	40 mA
Operating voltage U _b	15...264 VDC/15...264 VAC
Protection class	I
Rated insulation voltage U _i	300 V AC
Rated operating current I _e	3000 mA
Rated operating voltage U _e AC	230 V

Rated operating voltage U _e DC	24 V
Switching frequency	2 Hz
Turn-off delay t _{off} max.	30 ms
Turn-on delay t _{on} max.	30 ms
Utilization category	AC-140

Environmental conditions

Ambient temperature	-25...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, amplitude 0.5 mm, 3x30 min
Protection degree	IP65

General data

Approval/Conformity	CE
Basic standard	IEC 60947-5-2
Principle of operation	Photoelectric sensor
Reference reflector	BOS R-10
Series	25K
Style	Square Connection 45°

Material

Housing material	ABS
Material jacket	PVC
Material sensing surface	PMMA

Mechanical data

Dimension	18 x 50 x 50 mm
Mounting	Screw M4

Optical data

Ambient light max.	3000 Lux
Light type	LED, red light
Polarizing filter	yes
Principle of optical operation	Retroreflective sensor
Switching function, optical	Light-on dark-on

Wave length	660 nm
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Output/Interface

Switching output	Relay NO/NC change-over contact
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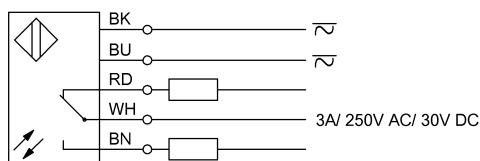
Range/Distance

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

Remarks

Order accessories separately.
 For additional information, refer to user's guide.
 Polarizing filters prevent spurious switching due to reflecting and shiny parts.
 Actuation object (target): gray card, 200 x 200, 90 % remission, lateral approach, approach direction vertical to lens axis plane.

Wiring Diagram



Symbols for Optoelectronic Sensors

