

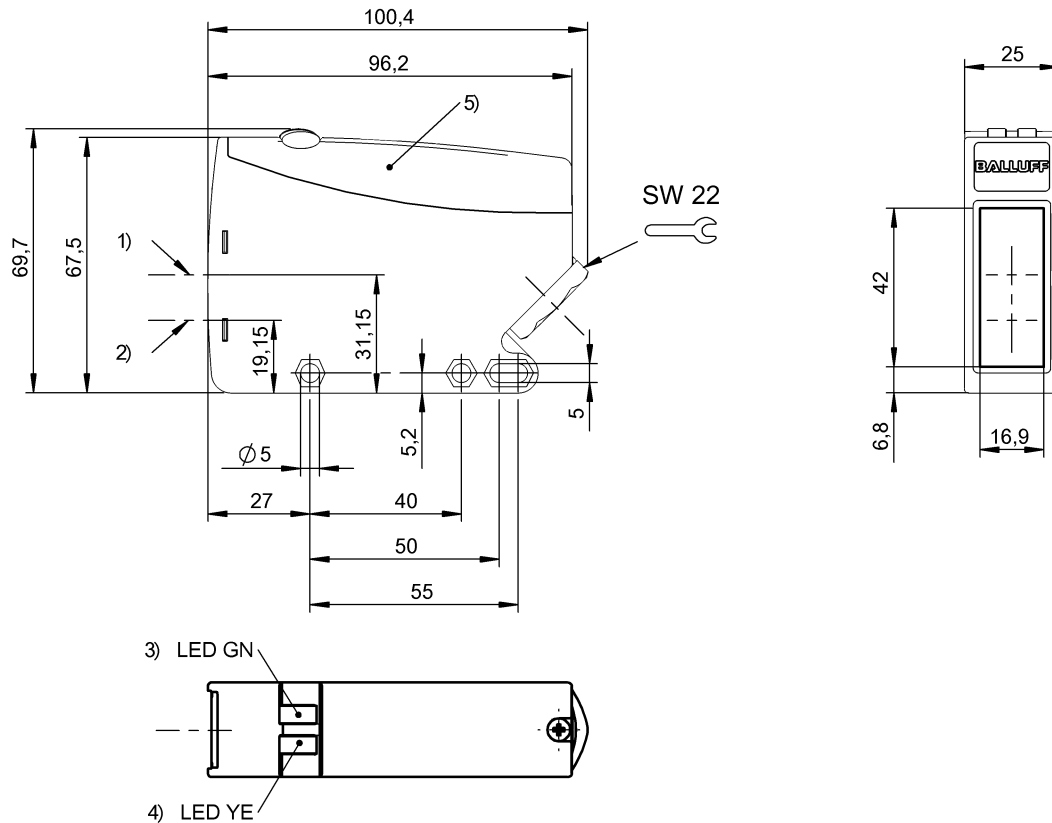
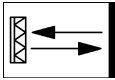
BOS 64K-AA-PR10-TG
Ordering code: BOS01K3

Retroreflective sensor
 Series 64K
 Working Range: 0...10 m

Relay, changeover contact (1x), NO-NC
 LED, red light
 AC/DC

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sensors worldwide



1) Optical axis receiver, 2) Optical axis emitter, 3) Stability, 4) Output function, 5) Removable cover

Characteristic data

Operating voltage	24...240 V AC/24...60 V DC
Connection	Screw terminal
Switching freq. f max.	20 Hz
Duration of time function	T = 0.6...16 s
Time function	Turn-off delay/Turn-on and -off delay/Turn-on delay/Single pulse
Reference reflector	BOS R-1
Protected against polarity reversal	yes
Enclosure Type per IEC 60529	IP67
Protection class	II
Indicator	Output function - LED YE Stability - LED GN
Adjuster	Potentiometer 240° (2x)/Slide switch (4x)
Setting	Light-on/dark-on Switching distance (Sn) Time function

Optical data

Principle of optical operation	Retro-reflective sensor
Switching function, optical	NO dark-on - NC light-on
Light type	LED, red light

Wavelength	660 nm
Ambient light max.	5,000 Lux
Polarising filter	yes
LED group per IEC 62471	Exempt group

Electrical data

Effective operating voltage U _e AC	24,0 V
Rated operating voltage U _e DC	3000 mA
Effective operating current I _e	50/60 Hz
Rated frequency, AC	250 V AC
Rated insulation voltage U _i	10
Ripple max. (% of U _e)	Relay, changeover contact (1x)
Switching output	NO-NC
Switching function	25,00 ms
Turn-off delay t _{off} max.	25,00 ms
Turn-on delay t _{on} max.	25 mA
No-load current max. I _o at U _e	

Mechanical data

Eff. switching distance S _r	10.000 mm
Operating range R _o	0...10 m
Beam characteristic	Divergent
Range S _n	S _n = 10 m, adjustable
Blind zone	100 mm

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Sensing surface material	PC
Housing material	PBT 30%GF
Mounting type	Screw M4
Design	Block, 45° connection
Ambient temperature	-25...55 °C

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

Basic data

Basic standard IEC 60947-5-2



LISTED IND. CONT. EQ. 1TD4
for use in the secondary of
a class 2 source of supply

