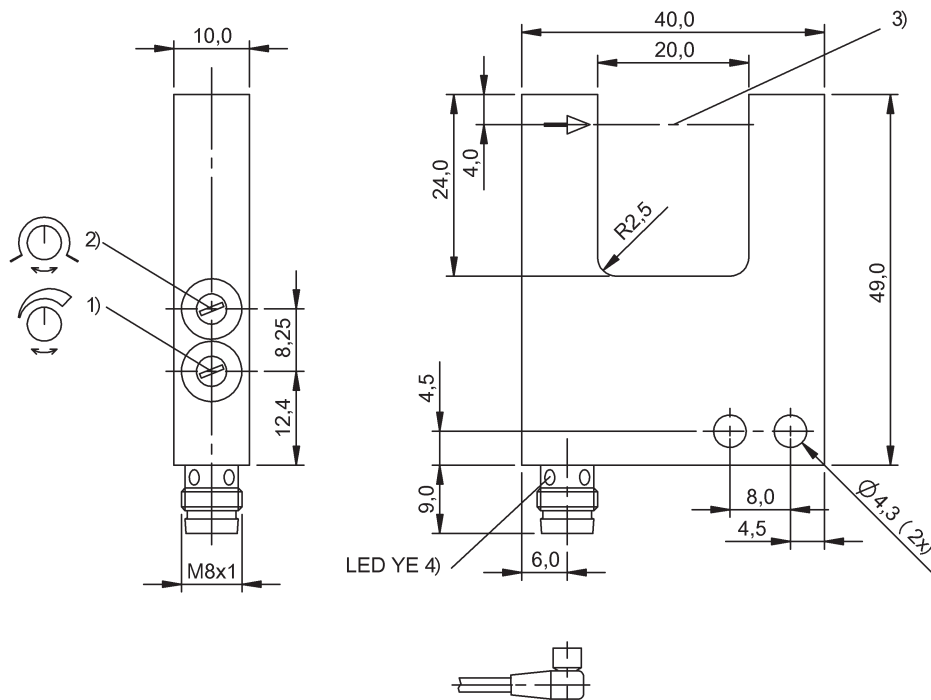




1) Sensitivity 2) Light-on / Dark-on 3) Optical axis 4) Output function

- Slot sensor
- Series A
- LED, red light
- 20 mm

**General attributes**

Adjuster
Approvals / Conformity

Basic standard
Enclosure Type per IEC 60529
Indicator
Polarity reversal protected
Series
Setting

Short circuit protected
Trademark

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
Hysteresis H max.
Load capacitance max. (at U_e)
No-load current max. I_o at U_e
Operating voltage U_B max. DC [V]
Operating voltage U_B min. DC [V]
Rated insulation voltage U_i
Ripple max. (% of U_e)
Switching freq. f max. (at U_e)

Potentiometer, 270° (2x)
CE
cULus
IEC 60947-5-2
IP67
Output function - LED YE
Yes
Series A
Sensitivity
Light-on/dark-on
Yes
GLOBAL

Connector
200 mA
24.0 V
30.0 V
DC, direct current
0.080 mm
1.00 µF
35 mA
30.0 V
10.0 V
75 V DC
10 %
1500 Hz

Switching function
Switching output
Turn on time t_{on} max.
Voltage drop U_d max. (at I_e)

Mechanical attributes

Ambient temperature T_a max.
Ambient temperature T_a min.
Connector type
Fork width
Housing material
Length 1
Length 2
Length 3
Mounting type
Repeat accuracy lateral max.
Sensing face material
Style
Surface protection

NO/NC
PNP (1X)
0.333 ms
3.0 V

Optical attributes

Ambient light max.
Light spot size, typical
Light type
Principle of optical operation
Switching function, optical
Wavelength

60 °C
-10 °C
M8x1-S49
20 mm
GD-Zn
5.0 mm
58.0 mm
40.0 mm
Screw M4
20 µm
Glass
Slot, straight connection
Painted

5,000 Lux
Ø1.0 mm light exit
LED, red light
Through-beam
NO/NC: dark-on/light-on
636 nm

Slot sensor

BGL 20A-001-S49
BGL000R

BALLUFF
sensors worldwide

Remarks

Order accessories separately.

For additional information, refer to user's guide.

Factory default setting for switching output: Normally open.

Reference object (test target): Steel sheet metal, 50 x 50, thickness 0.5 mm, lateral approach.

The sensor is functional again after the overload has been eliminated.

Only for NFPA 79 applications (machines with a supply voltage of maximum 600 volts).

Device shall be connected only by using any R/C (CYJV2) cord, having suitable ratings.

