



1) Emitter 2) Optical axis 3) Receiver 4) Output function 5) Sn 6) Stability 7) Power

- Photoelectric sensor
- Series 5K
- Infrared
- up to 10 m

General attributes

Adjuster
Basic standard
Enclosure Type per IEC 60529
Indicator

Polarity reversal protected
Series
Setting
Short circuit protected

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
No-load current max. I_o at U_e
Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
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.

Potentiometer 270° (1x)
IEC 60947-5-2
IP67
Stability - LED GN
Power - LED GN
Output function - LED YE
yes
Series 5K
Sensitivity (S_n)
yes

Cable
100 mA
24.0 V
DC, direct current
20 mA
30.0 V
10.0 V
8 %
500 Hz
NC
PNP (1x)
1.00 ms
1.2 V

55 °C

Ambient temperature T_a min.
Cable diameter D max.
Cable jacket material
Cable length
Conductor cross-section
Eff. operating distance S_r
Housing material
Length 1
Length 2
Length 3
Mounting type
Number of conductors

Operating range R_o
Range S_n
Sensing face material
Style

Optical attributes

Light type
Principle of optical operation
Switching function, optical
Wavelength

Additional text

Order accessories separately.
Operating object (test target): Gray card, 200 x 200, lateral approach
For additional information, refer to user's guide.

-25 °C
3.6 mm
PUR
3.00 m
0.14 mm²
10000 mm
PC, PBT
10.8 mm
19.5 mm
26.8 mm
Screw M3
3
2
0...10 m
S_n = 10 m, adjustable
PC
Block, 45° connection

Infrared
Through-beam
NC: light-on
880 nm

Photoelectric sensor

BOS 5K-PO-IX10-SA1-03
BOS00Y1

BALLUFF

sensors worldwide

