



1) Optical axis receiver 2) Optical axis emitter 3) Output function 4) Sn 5) Stability

- Photoelectric sensor
- Series 5K
- Infrared
- up to 1 m



**General attributes**

Adjuster  
Approvals / Conformity  
Basic standard  
Enclosure T type per IEC 60529  
Indicator

Potentiometer 270° (1x)  
CE  
IEC 60947-5-2  
IP67  
Stability - LED GN  
Output function - LED YE  
yes  
Series 5K  
Switching distance (Sn)  
yes

Polarity reversal protected  
Series  
Setting  
Short circuit protected

**Electrical attributes**

Connection type  
Eff. operating current I<sub>e</sub>  
Eff. operating voltage U<sub>e</sub> DC  
Electrical version  
No-load current max. I<sub>o</sub> at U<sub>e</sub>  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Ripple max. (% of U<sub>e</sub>)  
Switching freq. f max. (at U<sub>e</sub>)  
Switching function  
Switching output  
Turn on time t<sub>on</sub> max.  
Voltage drop U<sub>d</sub> max. (at I<sub>e</sub>)

Connector  
100 mA  
24.0 V  
DC, direct current  
30 mA  
30.0 V  
10.0 V  
8 %  
500 Hz  
NO (pin 4)  
PNP (1x)  
1.00 ms  
1.2 V

**Mechanical attributes**

Ambient temperature T<sub>a</sub> max. 55 °C

Ambient temperature T<sub>a</sub> min.  
Connector type  
Detection range S<sub>d</sub>  
Eff. operating distance S<sub>r</sub>  
Housing material  
Length 1  
Length 2  
Length 3  
Minimum operating distance  
Mounting type  
Range S<sub>n</sub>  
Sensing face material  
Style

-25 °C  
M8x1-S75  
0...900 mm  
900 mm  
PC, PBT  
10.8 mm  
19.5 mm  
31.5 mm  
0 mm  
Screw M3  
S<sub>n</sub> = 900 mm, adjustable  
PC  
Block, 45° connection

**Optical attributes**

Light type  
Principle of optical operation  
Switching function, optical

Infrared  
Light scanner, energetic  
NO: light-on

**Additional text**

The sensor is functional again after the overload has been eliminated.  
Reference object (target): Gray card, 200 x 200,

90 % remission, axial approach.  
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.  
For additional information, refer to user's guide.  
Order accessories separately.

