



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

- Photoelectric sensor
- Series 5K
- LED, red light
- up to 200 mm



**General attributes**

Adjuster	Potentiometer 270° (1x)
Approvals / Conformity	cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Indicator	Stability - LED GN Output function - LED YE
Polarity reversal protected	yes
Series	Series 5K
Setting	Switching distance (Sn)
Short circuit protected	yes
Trademark	GLOBAL

**Electrical attributes**

Connection type	Connector
Eff. operating current I <sub>e</sub>	100 mA
Eff. operating voltage U <sub>e</sub> DC	24.0 V
Electrical version	DC, direct current
No-load current max. I <sub>o</sub> at U <sub>e</sub>	30 mA
Operating voltage U <sub>B</sub> max. DC [V]	30.0 V
Operating voltage U <sub>B</sub> min. DC [V]	10.0 V
Ripple max. (% of U <sub>e</sub> )	8 %
Switching freq. f max. (at U <sub>e</sub> )	500 Hz
Switching function	NC (pin 2)
Switching output	NPN (1x)
Turn on time t <sub>on</sub> max.	1.00 ms
Voltage drop U <sub>d</sub> max. (at I <sub>e</sub> )	1.2 V

**Mechanical attributes**

Ambient temperature T <sub>a</sub> max.	55 °C
Ambient temperature T <sub>a</sub> min.	-25 °C
Connector type	M8x1-S75
Detection range S <sub>d</sub>	50...200 mm
Eff. operating distance S <sub>r</sub>	200 mm
Housing material	PC, PBT
Length 1	10.8 mm
Length 2	19.5 mm
Length 3	43.5 mm
Minimum operating distance	30 mm
Mounting type	Screw M3
Range S <sub>n</sub>	Sn = 200 mm, adjustable
Sensing face material	PC
Style	Block, 90° connection

**Optical attributes**

Light type	LED, red light
Principle of optical operation	Light scanner, energetic
Switching function, optical	NC: dark-on

**Additional text**

The sensor is functional again after the overload has been eliminated.  
Reference object (target): Gray card, 100 x 100

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

