



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	Output function - LED YE Stability - LED GN
Polarity reversal protected	yes
Series	Series 5K
Setting	Switching distance (Sn)
Short circuit protected	yes
Trademark	GLOBAL

Electrical attributes

Connection type	Cable
Eff. operating current I _e	100 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
No-load current max. I _o at U _e	30 mA
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	10.0 V
Ripple max. (% of U _e)	8 %
Switching freq. f max. (at U _e)	500 Hz
Switching function	NO
Switching output	NPN (1x)
Turn on time t _{on} max.	1.00 ms
Voltage drop U _d max. (at I _e)	1.2 V

Mechanical attributes

Ambient temperature T _a max.	55 °C
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Ambient temperature T _a min.	-25 °C
Cable diameter D max.	3.5 mm
Cable jacket material	PVC
Cable length	2.00 m
Conductor cross-section	0.20 mm ²
Detection range S _d	50...200 mm
Eff. operating distance S _r	200 mm
Housing material	PC, PBT
Length 1	10.8 mm
Length 2	19.5 mm
Length 3	26.8 mm
Minimum operating distance	50 mm
Mounting type	Screw M3
Number of conductors	3
Range S _n	S _n = 200 mm, adjustable
Sensing face material	PC
Style	Block, 45° connection

Optical attributes

Light type	LED, red light
Principle of optical operation	Light scanner, energetic
Switching function, optical	NO: light-on

Additional text

Order accessories separately.
For additional information, refer to user's guide.
The sensor is functional again after the overload has been eliminated.
Reference object (target): Gray card, 100 x 100

90 % remission, axial approach.

