



Photoelectric slot sensor

GL-ES-IR/115/127

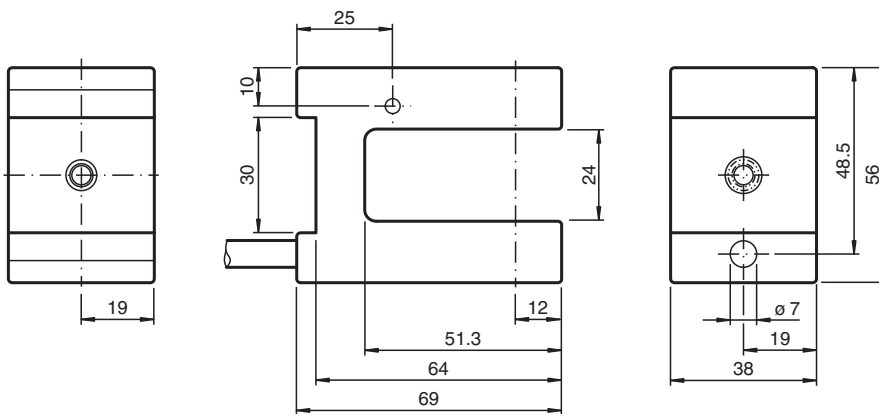


- Infrared light source
- Not sensitive to ambient light
- High switching frequency
- Robust and insensitive to ambient interference
- Tolerant to supply voltage variations up to 60 V DC

Photoelectric slot sensor



Dimensions



Technical Data

General specifications			
Sensing range			0 ... 24 mm
Light source			LED
Light type			infrared , 950 nm
Tests			EN 60947-5-2
Marking			CE
Slot width			24 mm
Slot depth			24 mm
Ambient light limit			halogen light 100000 Lux ; according to EN 60947-5-2:2007
Indicators/operating means			
Operation indicator			LED red
Electrical specifications			
Operating voltage	U_B		10 ... 30 V DC
Ripple			10 %
No-load supply current	I_0		< 30 mA
Time delay before availability	t_v		≤ 10 ms
Output			

Release date: 2024-11-20 Date of issue: 2024-11-20 Filename: 808314_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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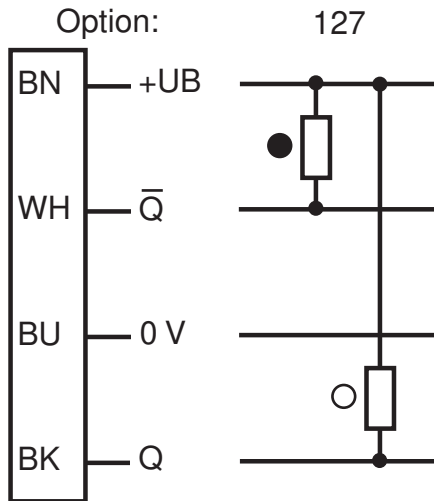
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Technical Data

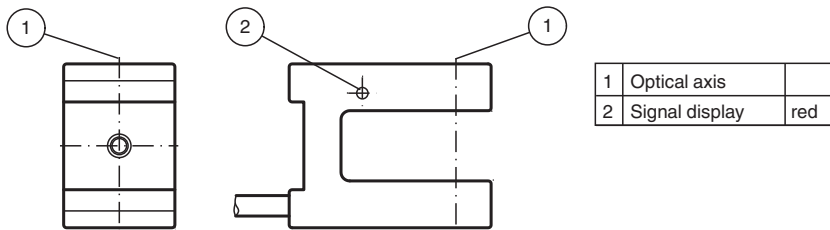
Switching type	light/dark on	
Signal output	2 NPN complementary , Reverse polarity protection , open collectors	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
Voltage drop	U_d	≤ 2 V
Switching frequency	f	100 Hz
Response time	5 ms	
Conformity		
Product standard	EN 60947-5-2	
Ambient conditions		
Ambient temperature	-25 ... 55 °C (-13 ... 131 °F)	
Storage temperature	-30 ... 70 °C (-22 ... 158 °F)	
Mechanical specifications		
Degree of protection	IP67	
Connection	2 m fixed cable	
Material		
Housing	PPO	
Optical face	PC	

Connection Assignment



○ = Light on
● = Dark on

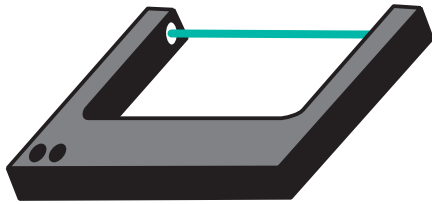
Assembly



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Application



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Safety Information

Safety Instructions:

- Read the operating instructions before commissioning
- Installation, connection and adjustments should only be undertaken by qualified personnel
- No safety component according to EU Machinery Directive, may not be used for personal protection or EMERGENCY STOP function.

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