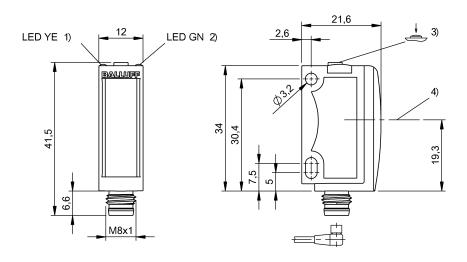
Photoelectric Sensors BOS 6K-NU-PT10-S75 Order Code: BOS01L9





1) Output function, 2) Operating voltage, 3) Sensitivity, light/dark, 4) Optical axis



Basic features

Approval/Conformity cULus CE EAC WEEE Basic standard IEC 60947-5-2 Principle of operation Photoelectric sensor Reference reflector BOS R-22 Series 6K Style Square Connection 90°

Display/Operation

Adjuster	button	Enviro
Display	Output function- LED yellow LED green: Power	Ambient 1 EN 60068 EN 60068
Setting	Light-on/dark-on Sensitivity (Sn)	
	Teach mode Stand./Dyn./Refl.	IP rating IP rating
Electrical connection		•

Electrical connection

Connection	Cor
Polarity reversal protected	yes
Short-circuit protection	yes

onnector, M8x1-Male, 4-pin S s

Electrical data

Key disable on/off	
Same function as button	
30 mA	
1030 VDC	
100 mA	
24 V	
12 %	
1000 Hz	
0.5 ms	
0.5 ms	
2.4 V	
S	
-2060 °C	
Half-sinus, 30 g _n , 11 ms, 3x6	
1055 Hz, amplitude 0.5 mm,	
3x30 min	
IP67	
IP69K	
514 a	

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Optical features

material		Optical leatures	
Housing material	ABS	Ambient light max.	5000 Lux
Material sensing surface	PMMA	Beam characteristic	Divergent
		Blind zone	0 mm
Mechanical data		Light spot size	50 x 50 mm at 2 m
Dimension Mounting part	12 x 41.5 x 21.6 mm Screw M3	Light type	LED, red light
		Polarizing filter	yes
		Principle of optical operation	Retroreflective sensor
		Special optical feature	Coaxial optics
			Transparency detection
		Switching function, optical	dark-on/light-on
		Wave length	660 nm
		Range/Distance	
		Range	02 m
		Rated operating distance Sn	2 m Adjustable

Remarks

Material

The sensor is functional again after the overload has been eliminated.

Order accessories separately.

For additional information, refer to user's guide.

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.

When using as a UL product the ambient temperature Ta max. must not exceed 50°C.

Do not press key using a pointed tool.

Actuation object (target): gray card, 200 x 200, 90 % remission, lateral approach, approach direction vertical to lens axis plane.

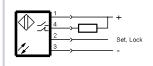
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams



Opto Symbols

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