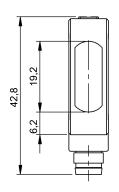
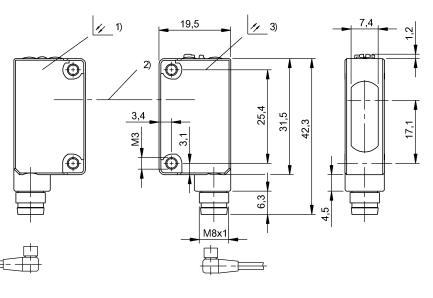
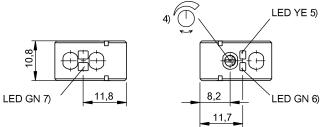
## Photoelectric Sensors BOS 5K-PS-IX10-S75 Order Code: BOS0126







**Electrical connection** 



1) Emitter, 2) Optical axis, 3) Receiver, 4) Sensitivity, 5) Output function, 6) stability, 7) Operating voltage





X

#### **Basic features**

#### cULus Approval/Conformity Connection Connector, M8x1-Male, 4-pin CE Polarity reversal protected yes WEEE Short-circuit protection yes UKCA **Basic standard** IEC 60947-5-2 **Electrical data** Principle of operation Photoelectric sensor 5K **Operating voltage Ub** 10...30 VDC Series Square Rated operating current le 100 mA Style Connection 90° Rated operating voltage Ue DC 24 V Global Trademark Ready delay tv max. 100 ms Ripple max. (% of Ue) 10 % **Display/Operation** Switching frequency 500 Hz Turn-off delay toff max. 1 ms Adjuster Potentiometer 270° Turn-on delay ton max. 1 ms Display Output function- LED yellow Voltage drop Ud max. at le 2 V LED green: Power

Setting

Internet

Stability - LED green

Sensitivity (Sn)

## Photoelectric Sensors BOS 5K-PS-IX10-S75 Order Code: BOS0126

# BALLUFF

#### Environmental conditions

Ambient temperature	-2555 °C	Dimension	10.8 x 43.5 x 19.5 mm
EN 60068-2-27, Shock	Half-sinus, 50 g <sub>n</sub> , 11 ms, 3x10	Mounting part	Screw M3
EN 60068-2-6, Vibration	1055 Hz, amplitude 0.75 mm,		
	3x20 min	Optical features	
IP rating	IP67	Ambient light max.	5000 Lux
		•	
Functional safety		Beam characteristic	Divergent
MTTF (40 °C)		Light spot size	Ø 90 mm at 2 m
	45 a	Light type	Infrared
		Principle of optical operation	Through-beam sensor
Interface		Switching function, optical	dark-on
Switching output	PNP normally open (NO) Pin 4	Wave length	880 nm
Material		Range/Distance	
Housing material	PC	Range	020 m
	РС	Rated operating distance Sn	20 m Adjustable
			-
Material sensing surface	PMMA		

**Mechanical data** 

#### Remarks

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.

Actuation object (target): gray card, 200 x 200, lateral approach.

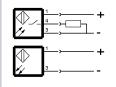
For more information about MTTF and B10d see MTTF / B10d Certificate

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**



Internet