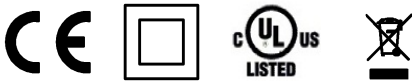


1) Optical axis, 2) Operating voltage, 3) Removable cover



**Basic features**

Approval/Conformity	cULus CE WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Photoelectric sensor
Reference receiver	BOS 64K-AA-IE10-TG
Series	64K
Style	Square Connection 45°

**Display/Operation**

Display	LED green: Power
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**Electrical connection**

Cable diameter D	8...10 mm
Connection	Screw terminals
Polarity reversal protected	yes
Protection against device mix-ups	yes

**Electrical data**

Operating voltage $U_b$	24...60 VDC/24...240 VAC
Protection class	II
Rated insulation voltage $U_i$	250 V AC
Rated operating voltage $U_e$ AC	230 V
Rated operating voltage $U_e$ DC	24 V
Ripple max. (% of $U_e$ )	10 %

**Environmental conditions**

Ambient temperature	-25...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 $g_n$ , 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, amplitude 0.5 mm, 3x30 min
IP rating	IP67

**Functional safety**

MTTF (40 °C)	367 a
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Photoelectric Sensors  
**BOS 64K-AA-IS10-TG**  
**Order Code: BOS01K5**



**Material**

Housing material	PBT, GF30
Material sensing surface	PC

**Mechanical data**

Dimension	25 x 69.7 x 100.4 mm
Mounting part	Screw M4
Tightening torque max.	1.2 Nm

**Optical features**

Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light type	Infrared
Principle of optical operation	Through-beam sensor (Emitter)
Wave length	880 nm

**Range/Distance**

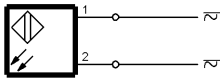
Range	0...50 m
Rated operating distance Sn	50 m Adjustable

**Remarks**

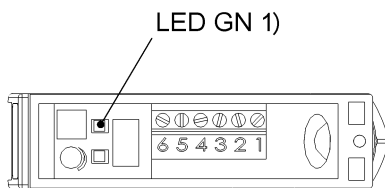
For additional information, refer to user's guide.  
 Order accessories separately.  
 For more information about MTTF and B10d see MTTF / B10d Certificate

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.

**Wiring Diagrams**



**Help Views**



1) Operating voltage

**Opto Symbols**

