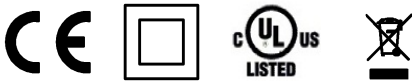


1) Display and control panel, 2) Optical axis receiver, 3) Optical axis emitter, 4) rotatable 270°



**Basic features**

<b>Application</b>	Distance measurement
<b>Approval/Conformity</b>	CE cULus WEEE
<b>Basic standard</b>	IEC 60947-5-2, IEC 60947-5-7
<b>Principle of operation</b>	Photoelectric distance sensor
<b>Series</b>	26K
<b>Style</b>	Square Connection can be rotated

**Display/Operation**

<b>Display</b>	LED green: Power Error - LED red
----------------	-------------------------------------

**Electrical connection**

<b>Connection</b>	Connector, M12x1-Male, 4-pin
<b>Polarity reversal protected</b>	yes
<b>Short-circuit protection</b>	yes

**Electrical data**

<b>No-load current I<sub>o max.</sub> at U<sub>e</sub></b>	35 mA
<b>Operating voltage U<sub>b</sub></b>	18...28 VDC
<b>Protection class</b>	II
<b>Rated insulation voltage U<sub>i</sub></b>	50 V DC
<b>Rated operating voltage U<sub>e DC</sub></b>	24 V

**Environmental conditions**

<b>Ambient temperature</b>	0...45 °C
<b>IP rating</b>	IP67

**Functional safety**

<b>MTTF (40 °C)</b>	265 a
---------------------	-------

**Interface**

<b>Analog output</b>	Analog, voltage 0...10 V
<b>Output characteristic</b>	linear increasing

Photoelectric Sensors  
**BOD 26K-LA02-S4-C**  
Order Code: BOD0004

# BALLUFF

## Material

Housing material	ABS
Material sensing surface	PMMA

## Mechanical data

Dimension	17 x 50 x 50 mm
Mounting part	Screw M4

## Optical features

Ambient light max.	3000 Lux
Average power Po max.	1 mW
Beam characteristic	Divergent
Laser class per IEC 60825-1	2
Light spot size	Ø 0.8 mm at 65 mm
Light type	Laser red light
Principle of optical operation	Triangulation
Pulse duration t max.	8 µs
Pulse frequency	6 kHz
Pulse power Pp max.	2.0 mW
Wave length	670 nm

## Range/Distance

Accuracy	±1 % FS
Range	45...85 mm
Resolution	≤ 20 µm

## Remarks

Order accessories separately.

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.

For additional information, refer to user's guide.

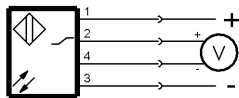
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

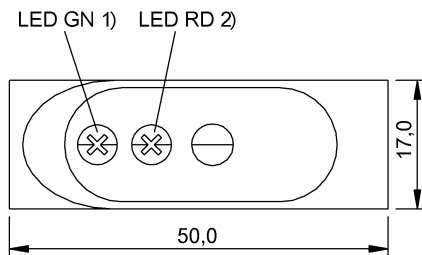
## Connector Drawings



## Wiring Diagrams



## Help Views

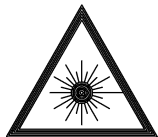


- 1) Operating voltage
- 2) Error

## Opto Symbols



## Warning Symbols



LASER BEAM - DO NOT STARE INTO THE LIGHT BEAM!

LASER CLASS 2 per IEC60825-1: 2003-10