

**Basic features**

<b>Approval/Conformity</b>	CE UKCA WEEE
<b>Operating mode</b>	Normal (continuous operation)
<b>Scope of delivery</b>	Background light
<b>Use</b>	for Vision sensor BVS
<b>Version</b>	Background light

**Display/Operation**

<b>Adjuster</b>	no
-----------------	----

**Electrical connection**

<b>Cable length L</b>	0.3 m
<b>Conductor cross-section</b>	0.34 mm <sup>2</sup>
<b>Connection</b>	M12x1-Male, 4-pin, A-coded
<b>Connection type</b>	Cable with connector, 0.3 m
<b>Number of conductors</b>	4
<b>Polarity reversal protected</b>	yes

**Electrical data**

<b>Current draw max.</b>	708 mA
<b>Rated operating voltage U<sub>e</sub> DC</b>	24 V

**Environmental conditions**

<b>Ambient temperature</b>	-10...55 °C
<b>IP rating</b>	IP54

**Functional safety**

<b>MTTF (40 °C)</b>	440 a
---------------------	-------

**Interface**

<b>Digital inputs</b>	Trigger
-----------------------	---------

**Material**

<b>Housing material</b>	Aluminium, anodized, black Glass, PMMA
<b>Surface protection</b>	anodized, black

## Mechanical data

Dimension	180 x 9.5 x 255 mm
Mounting part	Threads

## Optical features

Beam angle	100 ° x 80 °
Illumination area	200 x 150 mm
LED group per IEC 62471	Risk group 1
Light type	LED infrared
Wave length	875 nm

## Remarks

Install the device so that no direct view of the light source is possible even during operation.

Overheating protection, shutdown at 65° C

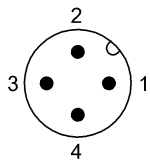
For additional information, refer to user's guide.

Order accessories separately.

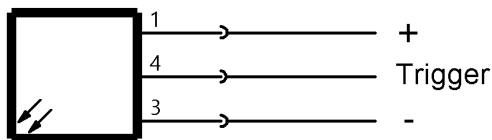
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

## Connector Drawings



## Wiring Diagrams



## Warning Symbols



LED light– DO NOT LOOK INTO THE BEAM!

LED group per IEC 62471

Note: for IR radiation and in Boost mode,  
use suitable shielding or eye protection.