Photoelectric Sensors

BLS 15K-R-G5-S75
Order Code: BOS00E7

1) Optical axis, 2) Operating voltage

Basic features

Approval/Conformity
CE
WEEE

Basic standard
IEC 60947-5-2

Principle of operation
Photoelectric sensor

Reference receiver
BLE 15K-R-F5-...

Series
15K

Style
Square
Connection 90°

Display/Operation

Display
LED red: Power

Electrical connection

Connection
Connector, M8x1-Male, 4-pin

Polarity reversal protected
yes

Electrical data

Input function
Test (Emitter off)

No-load current Io max. at Ue
30 mA

Operating voltage Ub
10...30 VDC

Rated insulation voltage Ui
75 V DC

Rated operating voltage Ue DC
24 V

Ripple max. (% of Ue)
8 %

Environmental conditions

Ambient temperature
-15...55 °C

EN 60068-2-27, Shock
Half-sinus, 30 gn, 11 ms, 3x6

EN 60068-2-6, Vibration
10...55 Hz, amplitude 1.5 mm, 3x2 h

Protection degree
IP66

Material

Housing material
ABS

Material sensing surface
PMMA

Internet
www.balluff.com

Subject to change without notice: 8528

ETIM 6.0: ECO02716
BOS00E7_0.17_2019-10-29
### Mechanical data

<table>
<thead>
<tr>
<th>Dimension</th>
<th>13 x 59.5 x 29 mm</th>
</tr>
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<tbody>
<tr>
<td>Mounting</td>
<td>Screw M3</td>
</tr>
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### Range/Distance

<table>
<thead>
<tr>
<th>Range</th>
<th>0...5 m</th>
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<tr>
<td>Rated operating distance Sn</td>
<td>5 m Adjustable</td>
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### Optical features

<table>
<thead>
<tr>
<th>Light type</th>
<th>Infrared</th>
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<tbody>
<tr>
<td>Principle of optical operation</td>
<td>Through-beam sensor (Emitter)</td>
</tr>
<tr>
<td>Wave length</td>
<td>880 nm</td>
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</table>

### Remarks

Order accessories separately.  
For additional information, refer to user's guide.

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**Connector Drawings**

[Diagram of connector drawings]

**Wiring Diagrams**

[Diagram of wiring diagrams]

**Opto Symbols**

[Diagram of opto symbols]