

Photoelectric Sensors
BOS 6K-PU-LK10-S75
Order Code: BOS01M4

BALLUFF

Material

Housing material	ABS
Material sensing surface	PMMA

Mechanical data

Dimension	12 x 41.5 x 21.6 mm
Mounting part	Screw M3

Optical features

Ambient light max.	5000 Lux
Average power Po max.	390 µW
Beam characteristic	Collimated
Laser class per IEC 60825-1	1
Light spot size	Ø 2 mm at 2.5 m
Light type	Laser red light
Polarizing filter	yes
Principle of optical operation	Retroreflective sensor
Pulse duration t max.	3000 µs
Pulse frequency	5 kHz
Special optical feature	Coaxial optics
Switching function, optical	dark-on/light-on
Wave length	650 nm

Range/Distance

Range	0...4 m
Rated operating distance Sn	4 m, Adjustable

Remarks

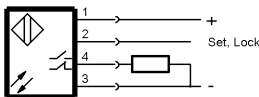
Do not press key using a pointed tool.
Order accessories separately.
For additional information, refer to user's guide.
Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.
When using as a UL product the ambient temperature Ta max. must not exceed 50°C.
Actuation object (target): gray card, 200 x 200, 90 % remission, lateral approach, approach direction vertical to lens axis plane.
The sensor is functional again after the overload has been eliminated.
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



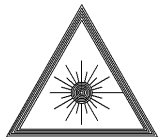
Wiring Diagrams (Schematic)



Opto Symbols



Warning Symbols



LASER CLASS 1 per IEC 60825-1