

Fichier:E0001526B Datasheet.png

Photoelectric Sensors

BOS R090K-PU-RH10-02

Order Code: BOS029K

Environmental conditions

Ambient temperature

-30...55 °C

IP rating

IP67

Functional safety

MTTF (40 °C)

92 a

Interface

Switching output

PNP normally open/normally closed (NO/NC)

Material

Housing material

PC
PBT

Material jacket

PVC

Material sensing surface

PMMA

BALLUFF

Mechanical data

Dimension

10.7 x 32.7 x 19.5 mm

Mounting part

Screw M3

Tightening torque max.

0.5 Nm

Optical features

Ambient light max.

10000 Lux

Beam characteristic

Focus, typical at 90 mm

Light spot size

Ø 4.5 mm at 60 mm

Light type

LED, red light

Principle of optical operation

Diffuse sensor, triangulation

Special optical feature

Background suppression

Switching function, optical

dark-on/light-on

Wave length

660 nm

Range/Distance

Range

20...350 mm

Rated operating distance Sn

350 mm, Adjustable

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Vertical resolution	37.79 dpc