

Photoelectric Sensors
BOS 18KF-NA-1RE-S4-C
Order Code: BOS00J9



Functional safety

MTTF (40 °C) 834 a

Interface

Switching output NPN normally closed (NC)
 NPN normally open (NO) Pins 4-2

Material

Housing material PBT
 Material sensing surface PMMA

Mechanical data

Dimension Ø 18 x 71.5 mm
 Mounting part Nut M18x1
 Screw M3
 Tightening torque max. 1.5 Nm

Optical features

Ambient light max. 5000 Lux
 Blind zone 100 mm
 Light type LED infrared
 Polarizing filter no
 Principle of optical operation Retroreflective sensor
 Switching function, optical dark-on
 Wave length 880 nm

Range/Distance

Range 0...5 m
 Rated operating distance Sn 5 m Adjustable

Remarks

The sensor is functional again after the overload has been eliminated.

For additional information, refer to user's guide.

Order accessories separately.

Actuation object (target): gray card, 200 x 200, 90 % remission, lateral approach, approach direction vertical to lens axis plane.

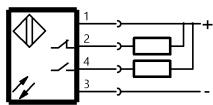
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Opto Symbols

