



Functional safety

MTTF (40 °C) 838 a

Interface

Switching output PNP normally closed (NC)  
PNP 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 Screw M3  
Nut M18x1  
Tightening torque max. 1.5 Nm

Remarks

The sensor is functional again after the overload has been eliminated.  
Reference object (target): gray card, 100 x 100, 90 % remission, axial approach.  
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.

Optical features

Ambient light max. 5000 Lux  
Beam characteristic Divergent  
Light spot size Ø 80 mm at 100 mm  
Light type LED infrared  
Principle of optical operation Diffuse sensor, energetic  
Switching function, optical Light-on  
Wave length 880 nm

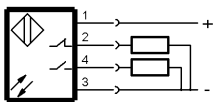
Range/Distance

Range 0...100 mm  
Rated operating distance Sn 100 mm

Connector Drawings



Wiring Diagrams



Opto Symbols

