

Environmental conditions

Ambient temperature	-5...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP65

Interface

Analog output	Analog, current 4...20 mA
Supplementary output	Error output PNP
Switch function, supplementary output	NO/NC
Switching output	PNP normally open/normally closed (NO/NC)

Material

Housing material	Aluminium, Anodized
Material sensing surface	PMMA
Surface protection	Anodized

Mechanical data

Dimension	18 x 100 x 93.5 mm
Fork opening	50 mm
Mounting part	Screw M5

Optical features

Ambient light max.	5000 Lux
Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light beams, number	10
Light spot size	3 x 28 mm Light exit
Light type	LED, red light
Principle of optical operation	Through-beam sensor
Special optical feature	Light array
Switching function, optical	dark-on/light-on
Wave length	633 nm

Range/Distance

Active length AL 1	28 mm
Hysteresis H max.	0.4 mm
Repeat accuracy lateral max.	150 µm
Resolution	≤ 0.08 mm

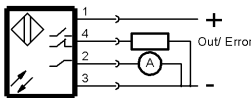
Remarks

For additional information, refer to user's guide.
Order accessories separately.
Do not press key using a pointed tool.
Reference object (target): Steel plate, 50 x 50, thickness 0.5 mm, lateral approach.
The sensor is functional again after the overload has been eliminated.

Connector Drawings



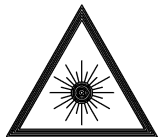
Wiring Diagrams



Opto Symbols



Warning Symbols



LED light– DO NOT LOOK INTO THE BEAM!

Exempt Group per IEC 62471:2006-07