

Basic features

Approval/Conformity	CE cULus UKCA WEEE
Principle of operation	Photoelectric sensor
Style	Fork

Electrical connection

Connection	Connector, PVC
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage $U_b$	5...24 VDC
Rated operating current $I_e$	50 mA
Rated operating voltage $U_e$ DC	24 V
Switching frequency	1 kHz

Environmental conditions

Ambient temperature	-25...55 °C
IP rating	IP65

Remarks

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

Interface

Switching output	PNP normally closed (NC) PNP normally open (NO)
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Material

Housing material	PBT
Material jacket	PVC
Material sensing surface	PMMA

Mechanical data

Dimension	13.4 x 14.5 x 20.6 mm
Fork opening	5 mm
Mounting part	Through-hole 3.2 mm (2x)

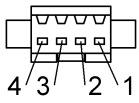
Optical features

Light type	LED infrared Infrared
Principle of optical operation	Through-beam sensor

Range/Distance

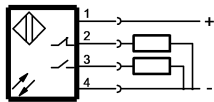
Hysteresis H max.	0.05 mm
Range	5 mm
Rated operating distance $S_n$	5 mm

## Connector Drawings



PIN 1: brown  
PIN 2: black  
PIN 3: white  
PIN 4: blue

## Wiring Diagrams



## Opto Symbols

