

Basic features

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

Electrical connection

Cable diameter D	2.5 mm
Cable length L	1 m
Connection	Cable, 1 m, PVC
Number of conductors	4
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage Ub	5...24 VDC
Rated operating current Ie	50 mA
Rated operating voltage Ue 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	NPN normally closed (NC) NPN normally open (NO)
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Material

Housing material	PBT
Material jacket	PVC
Material sensing surface	PMMA

Mechanical data

Dimension	6 x 16 x 13.4 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

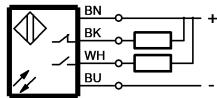
Range/Distance

Hysteresis H max.	0.05 mm
Range	5 mm
Rated operating distance Sn	5 mm

Photoelectric Sensors
BGL 5J-001-01
Order Code: BGL0057

BALLUFF

Wiring Diagrams



Opto Symbols

