

#### 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	26 x 14.6 x 10 mm
Fork opening	5 mm
Mounting part	Through-hole 3.2 mm (2x)

#### Optical features

Light type	LED 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

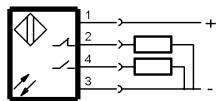
Photoelectric Sensors  
BGL 5H-004-VC-00,20-S75  
Order Code: BGL006J

**BALLUFF**

### Connector Drawings



### Wiring Diagrams



### Opto Symbols

