



Model Number

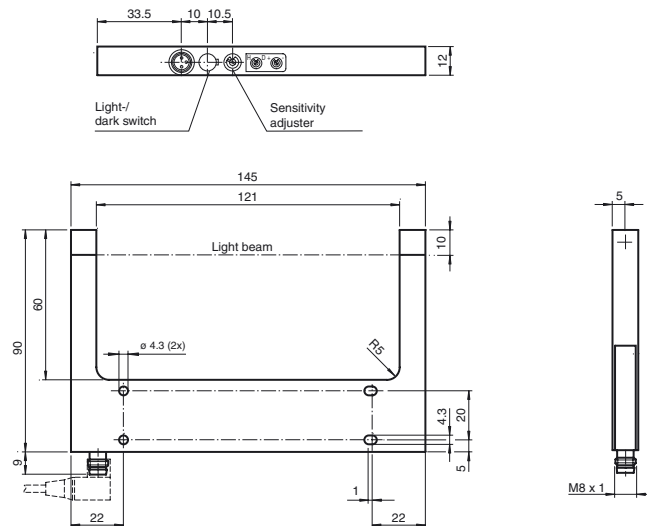
GL121-RT/32/40a/98a

Fork type sensor
with 3-pin, M8 connector

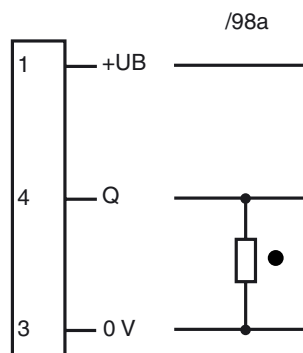
Features

- Optimised for the detection of small parts
- High switching frequency
- Multiple device installation possible, no mutual interference
- Sensitivity adjuster and light/dark switch as standard features of this series
- Visible red light
- Protection degree IP67
- cULus approval
- diecast zinc housing, powder coated

Dimensions

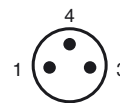


Electrical connection



○ = Light on
● = Dark on

Pinning according





Technical data

General specifications

Light source	LED
Approvals	CE, cULus
Tests	EN 60947-5-2
Obstacle size	0.3 mm
Fork width	121 mm
Light type	red, modulated light
Ambient light limit	100000 Lux

Indicators/operating means

Function display	LED red in connector
Operating elements	Sensitivity adjuster, light/dark switch

Electrical specifications

Operating voltage	10 ... 30 V DC, class 2
Ripple	10 %
No-load supply current	$I_0 \leq 15 \text{ mA}$

Output

Switching type	light/dark switching
Signal output	1 pnp, short-circuit proof, open collector
Switching voltage	max. 30 V DC
Switching current	max. 100 mA
Repeat accuracy	0.05 mm
Switching frequency	$f \leq 3 \text{ kHz}$
Response time	$\leq 160 \mu\text{s}$

Ambient conditions

Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

Protection degree	IP67
Connection	M8 connector, 3-pin
Material	
Housing	diecast zinc, powder coated
Optical face	glass
Mass	295 g