



Model Number

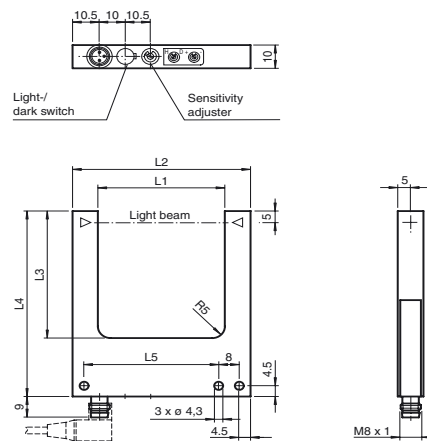
GL50-RT/32/40a/98a

Fork type sensor
with 3-pin, M8 connector

Features

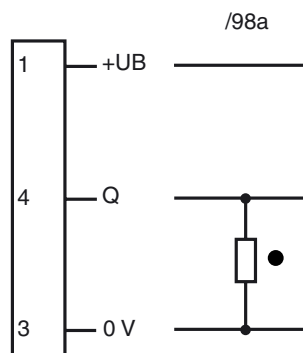
- Optimised for the detection of small parts
- High switching frequency
- Multiple device installation possible, no mutual interference
- Sensitivity adjuster and light/dark switch as standard features of this series
- Visible red light
- Protection degree IP67
- cULus approval
- diecast zinc housing,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

Dimensions



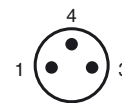
	L1	L2	L3	L4	L5
GL30...	30	50	35	60	33
GL50...	50	70	55	80	53
GL80...	80	100	55	80	83

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	50 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	90 g