



**Model Number**

**GLP80-RT/40b/102/123/143**

Photoelectric slot sensor with 4-pin, M8 x 1 connector

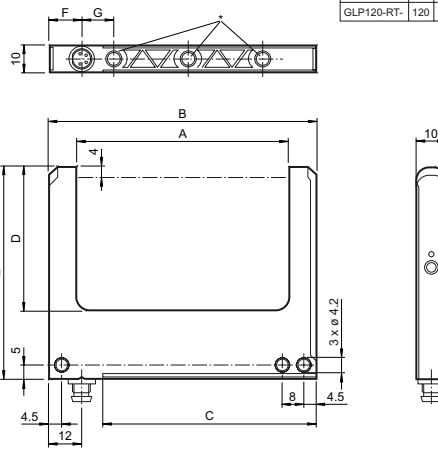
**Features**

- Plastic version
- Clearly visible function indicators
- External TEACH-IN
- Degree of protection IP67

**Product information**

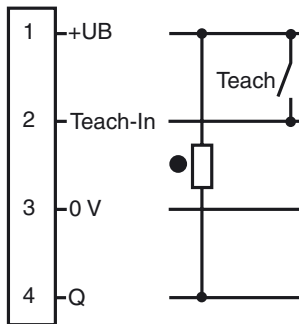
An extremely favorable price/performance ratio and an innovative display concept characterize the GLP series. The switching states are visible from all directions. The optional attachment holes or dove tail joint significantly increase installation flexibility. The external, dynamic Teach-In function allows you to teach in moving objects easily.

**Dimensions**



Type	A	B	C	D	E	F	G	Number of mounting holes M4 *
GLP30-RT-	30	50	30	34	59.5	20	-	1
GLP50-RT-	50	70	50	54	79.5	20	28	2
GLP80-RT-	80	100	80	54	79.5	20	2 x 28	3
GLP120-RT-	120	140	120	54	79.5	20	3 x 28	4

**Electrical connection**

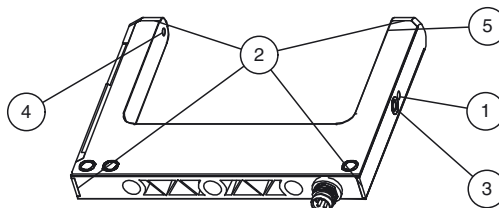


- = Light on
- = Dark on

**Pinout**



**Indicators/operating means**



1	Operating display	green
2	Signal display	yellow
3	TEACH-IN button	
4	Emitter	
5	Receiver	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

**Technical data****General specifications**

Light source	LED , 640 nm pulsing
Light type	modulated visible red light
Object size	min. 0.5 mm
Slot width	80 mm
Ambient light limit	10000 Lux

**Indicators/operating means**

Function indicator	LED yellow , lit when the light beam is interrupted LED green: ready
Control elements	Teach-In key , Sensitivity adjustment and Mode adjustment (NO/NC)

**Electrical specifications**

Operating voltage	$U_B$	10 ... 30 V DC
Ripple		10 %
No-load supply current	$I_0$	≤ 30 mA

**Input**

Function input	external Teach-In
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**Output**

Switching type	light/dark on	
Signal output	1 NPN short-circuit protected, reverse polarity protected, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
Voltage drop	$U_d$	≤ 2.4 V
Switching frequency	$f$	2000 Hz
Response time		0.25 ms

**Ambient conditions**

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 80 °C (-4 ... 176 °F)

**Mechanical specifications**

Degree of protection	IP67
Connection	M8 connector, 4-pin
Material	
Housing	PC
Optical face	plastic
Mass	35 g

**Compliance with standards and directives**

Standard conformity	
Product standard	EN 60947-5-2:2007 IEC 60947-5-2:2007

**Approvals and certificates**

Protection class	II
UL approval	cULus Listed, Class 2 Power Source "For use in NFPA 79 Applications only" Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

**Accessories****OMH-K03**

dove tail mounting clamp

**V31-WM-2M-PUR**

Female cordset, M8, 4-pin, PUR cable

**V31-GM-2M-PUR**

Female cordset, M8, 4-pin, PUR cable

**V31-GM-BK2M-PUR-U**

Female cordset, M8, 4-pin, PUR cable

**V31-WM-BK2M-PUR-U**

Female cordset, M8

Other suitable accessories can be found at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)