Model Number

GLP80-RT/40b/103/123/143

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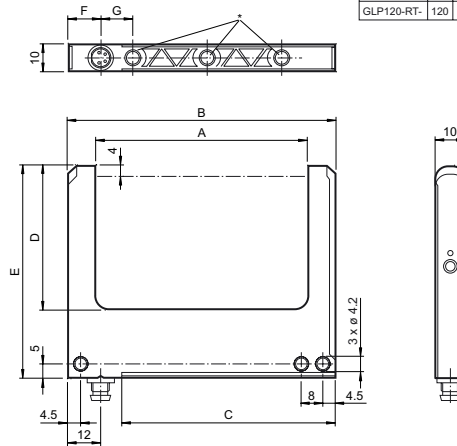with 4-pin, M8 x 1 connector

Features

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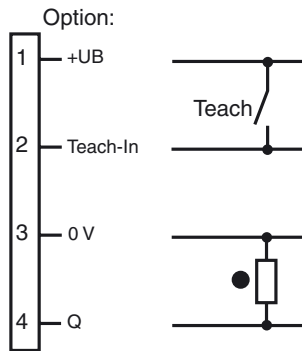
Product information

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

Option:

Pin	Signal
1	+UB
2	Teach-In
3	0 V
4	Q

Teach

○ = Light on
● = Dark on

Pinout

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)
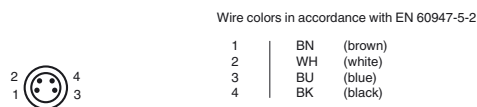
Indicators/operating means
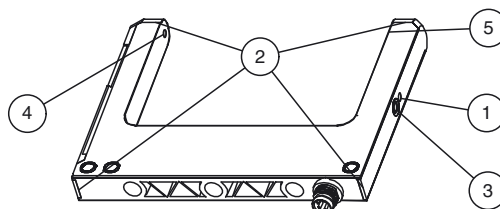
1	Operating display	green
2	Signal display	yellow
3	TEACH-IN button	
4	Emitter	
5	Receiver	

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS   **1**

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
Slot depth	54 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

Output

Switching type		light/dark on
Signal output		1 PNP, 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

Conformity

Product standard	EN 60947-5-2

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

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 single-ended, M8, 4-pin, PUR cable

V31-GM-2M-PUR
Female cordset single-ended, M8, 4-pin, PUR cable

V31-GM-BK2M-PUR-U
Female cordset single-ended, M8, 4-pin, PUR cable

V31-WM-BK2M-PUR-U
Female cordset single-ended, M8, 4-pin, PUR cable

Other suitable accessories can be found at www.pepperl-fuchs.com

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

2

Pepperl+Fuchs Group	USA: +1 330 486 0001	Germany: +49 621 776 1111	Singapore: +65 6779 9091
www.pepperl-fuchs.com	fa-info@us.pepperl-fuchs.com	fa-info@de.pepperl-fuchs.com	fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Release date:2019-11-26 15:16   Date of issue: 2019-11-26   210607_eng.xml