



Standard automation light grids PLG, PLG6

PLG6-060F434



Model Name > [PLG6-060F434](#)
Part No. > [1051978](#)



At a glance

- 360° visible job LED
- Detection height 60 mm
- Optically confirms the right bin was picked
- Bus connection possible
- The smallest pick-to-light light grid

Your benefits

- The integrated job LED reduces the order picker's search time
- Low assembly costs thanks to the PLG's clever design
- Tough aluminum housing ensures that sensor damage is kept to a minimum and helps reduce repair costs
- Reflective tape on the sensor avoids additional assembly and cabling costs



Features

Technology:	Retro-reflective light grid
Task:	Switching light grid
Minimum detectable object (MDO):	Parallel beam: ≥ 70 mm
Beam separation:	60 mm
Number of beams:	2
Detection height:	60 mm

Performance

Minimum range:	≥ 60 mm
Response time ¹⁾ :	Parallel beam: ≥ 5 ms
Working range (reflective tape REF-PLG):	0.35 m

¹⁾ With resistive load

Interfaces

Output type:	1 x PNP (Q)
Connection type:	Short cable (0.28 m) with connector M12, 4-pin
Input current:	30 mA
Job LED input:	PNP

Mechanics/electronics

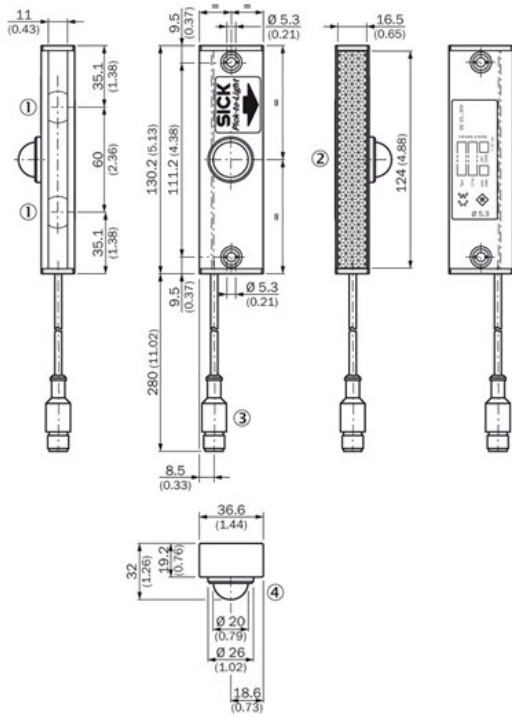
Wave length:	660 nm
Supply voltage Vs ¹⁾ :	DC 15 V ... 30 V
Power consumption:	50 mA
Power consumption sender:	50 mA
Power consumption receiver:	< 50 mA
Current consumption job LED ²⁾ :	30 mA
Ripple:	< 5 Vpp
Output current I _{max} :	50 mA
Initialization time:	< 1 s
Dimensions (W x H x D):	35.6 mm x 130 mm x 32 mm
Housing material:	Aluminum
Indication:	LED
Enclosure rating:	IP 40
Circuit protection:	Output Q short-circuit protected Interference suppression VS connections reverse-polarity protected
Weight:	< 500 g
Front screen:	PMMA
Output mode ³⁾ :	Q dark switching

1) 2) Typical value 3) Q = active in case one beam is interrupted, /Q = active in case all beam are free

Ambient data

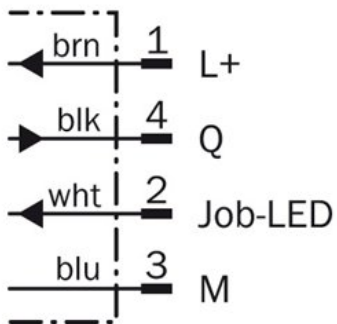
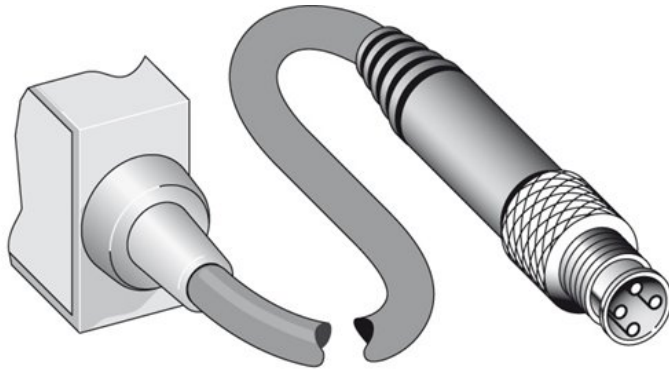
Protection class:	III
EMC:	EN 60947-5-2
Ambient temperature:	Operation: -10 ... 55 °C Storage: -25 ... 70 °C
Vibration resistance:	5 g, 10 Hz ... 55 Hz (IEC 68-2-6)
Shock load:	10 g/DIN EN 60068-2-29/16 ms

Dimensional drawing



- [1] Photoelectric retro-reflective sensor
- [2] Reflective tape
- [3] Connector M12, 4-pin
- [4] Job-LED, red

Connection type and diagram



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