



**Model Number**

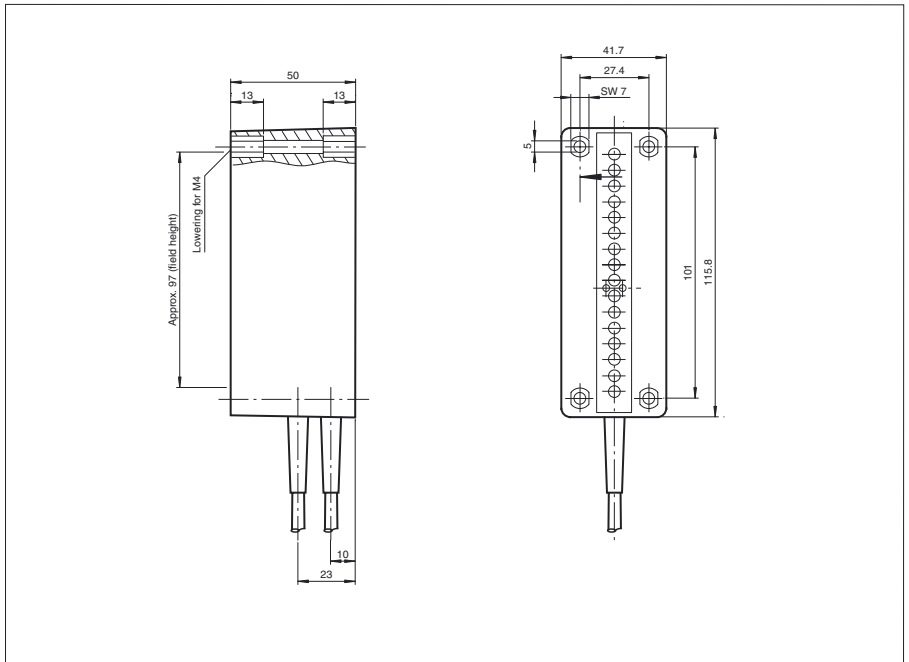
**PR16A-30-K-2-F-F**

Light grid  
with fixed cable

**Features**

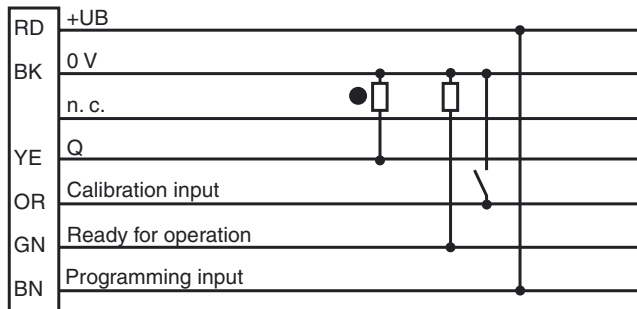
- High-resolution light grid
- Light grid with 16 beams, crossed
- Suited for recording of transparent objects
- Automatic switching threshold adaptation eliminates soiling effects
- Smallest obstacle size 1 mm

**Dimensions**

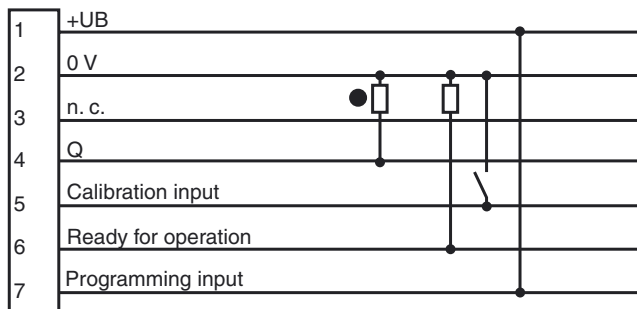


**Electrical connection**

Cable version



Connector version



○ = Light on  
● = Dark on

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

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

Effective detection range	300 ... 500 mm
Threshold detection range	500 mm
Sensing range	0 ... 500 mm
Light source	IREL
Light type	modulated infrared light
Field height	97 mm
Target size	1 mm
Beam spacing	6.5 mm
Number of beams	16
Angle of divergence	$\pm 8^\circ$
Ambient light limit	20000 Lux
Resolution	1 mm , crossed

**Indicators/operating means**

Function indicator	LED yellow, functional readiness, LED red, switching state, lights up when the beam field is interrupted
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**Electrical specifications**

Operating voltage	$U_B$	24 ... 28 V DC
Ripple		5 %

**Input**

Function input	Calibration input > 10 ms, ground active, fixed saving the switching threshold
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**Output**

Switching type	dark on	
Signal output	1 PNP output, short-circuit protected, reverse polarity protected, open collector	
Switching voltage	max. 28 V DC	
Switching current	100 mA	
Switching frequency	f	20 Hz
Response time	5 ms	

**Standard conformity**

Standards	EN 60947-5-2
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**Ambient conditions**

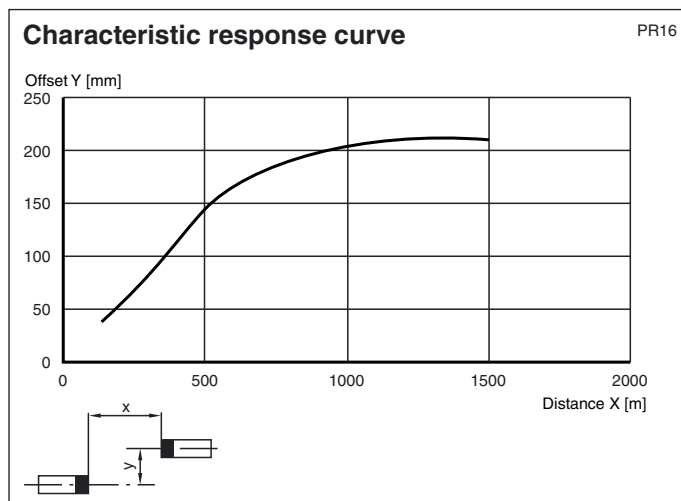
Ambient temperature	-10 ... 50 °C (14 ... 122 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)

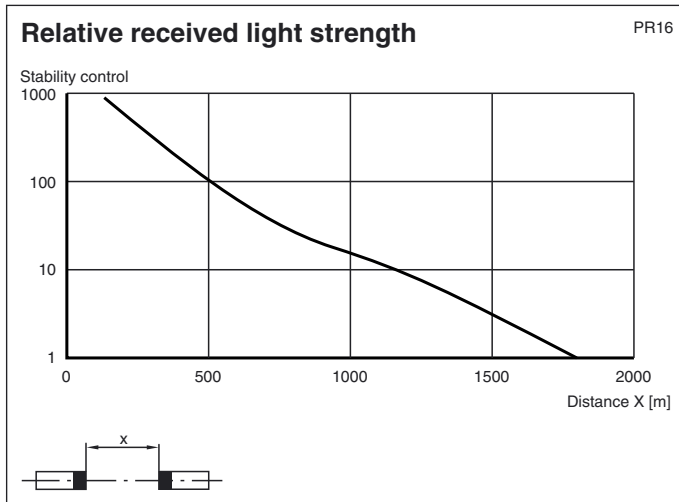
**Mechanical specifications**

Protection degree	IP65
Connection	2.5 m cable
Material	
Housing	ABS
Optical face	PMMA
Mass	Emitter: 130 g , Receiver: 160 g

**Approvals and certificates**

Approvals	CE
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**Curves/Diagrams**



### Course of the beams



### Accessories

#### Model number

- Cable connector for light grid PR:V18-PR-ASK-VIS
- Interconnecting cable for light grid PR:V18-PR-Verb-VIS