



Model Number

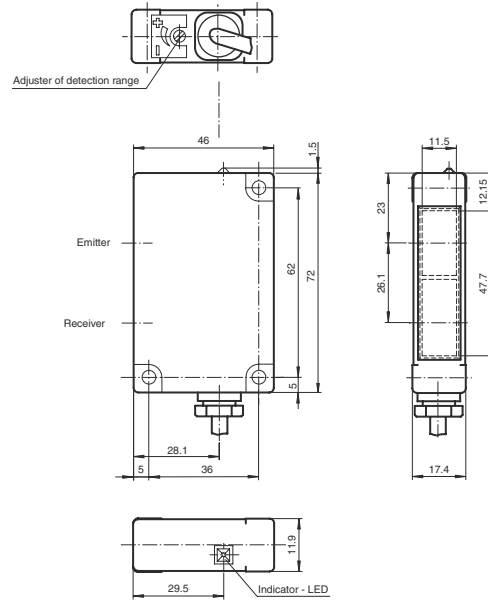
RL30-8-H-800-IR/32/115

Background suppression sensor
with 2 m fixed cable

Features

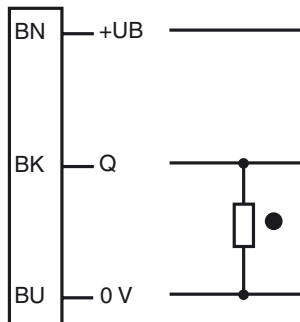
- Sleek design, especially for storage and conveyor systems
- Excellent optical performance data
- Mechanical adjustable detection range
- Scratch-resistant and solvent resistant glass lens
- No mutual interference (no cross-talk)

Dimensions



Electrical connection

Option:



○ = Light on

● = Dark on

Technical data

General specifications

Sensor range	800 mm adjustable
Detection range min.	30 ... 300 mm
Detection range max.	30 ... 800 mm
Light source	IRED
Light type	modulated infrared light
Black/White difference (6 %/90 %)	< 15 %
Approvals	CE
Diameter of the light spot	approx. 25 mm at a distance of 800 mm
Angle of divergence	approx. 3 °
Ambient light limit	80000 Lux

Indicators/operating means

Function display	LED yellow, lights up with receiver lit
Controls	Detection range adjuster

Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
No-load supply current	I_0	40 mA at 30 V DC

Output

Switching type	light on	
Signal output	1 PNP output, short-circuit protected, reverse polarity protected, open collector	
Switching voltage	30 V DC	
Switching current	max. 200 mA	
Switching frequency	f	250 Hz
Response time	2 ms	

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)

Mechanical specifications

Protection degree	IP65
Connection	2 m fixed cable
Material	
Housing	Terluran GV15
Optical face	glass
Mass	40 g

Curves/Diagrams

