



Model Number

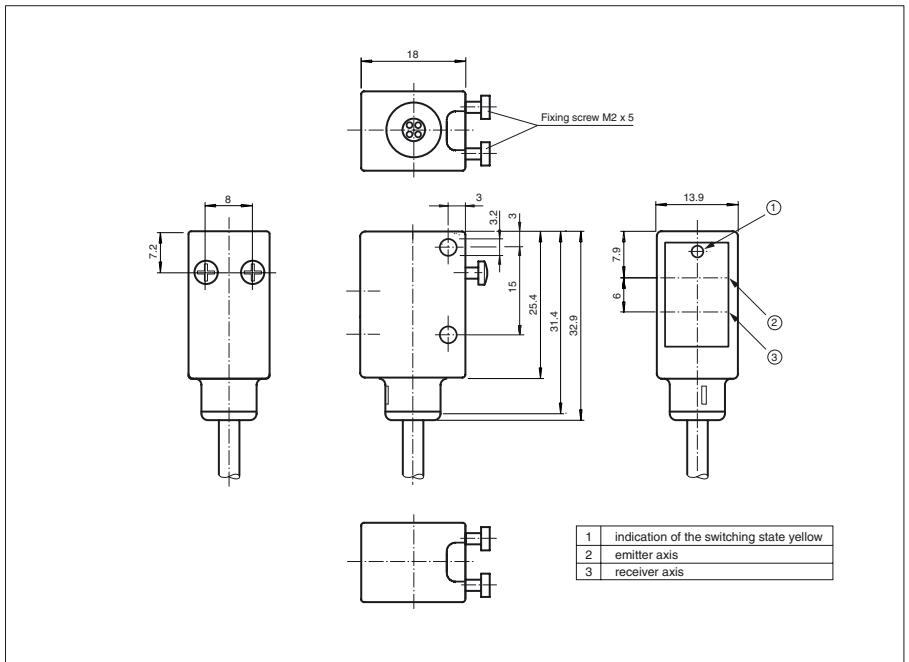
LT6-8-H-60-4909

Diffuse mode sensor with background suppression

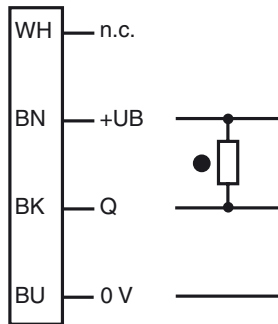
Features

- Miniature design
- Precise background suppression
- Very small black-white difference
- Infrared light
- Small, sharp light spot
- Not sensitive to ambient light, even with switched energy saving lamps
- Protected against mutual interference
- Metal-reinforced fastening holes

Dimensions

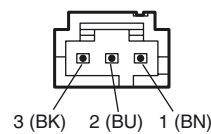


Electrical connection



○ = Light on
● = Dark on

Pinout



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Technical data**General specifications**

Detection range	10 ... 60 mm
Detection range max.	10 ... 80 mm
Light source	IRED 880 nm
Light type	IRED Modulated light
Black/White difference (6 %/90 %)	approx. 10 mm
Approvals	CE, cULus
Background suppression	starts from 80 mm
Diameter of the light spot	approx. 4 mm at 60 mm
Angle of divergence	approx. 5 °
Ambient light limit	40000 Lux

Indicators/operating means

Function display	LED yellow: lights when object is detected
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Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	< 25 mA

Output

Switching type	Dark on	
Signal output	1 NPN, short-circuit proof, reverse polarity protected	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
Voltage drop	U_d	≤ 2.5 V DC
Switching frequency	f	1000 Hz
Response time		0.5 ms

Standard conformity

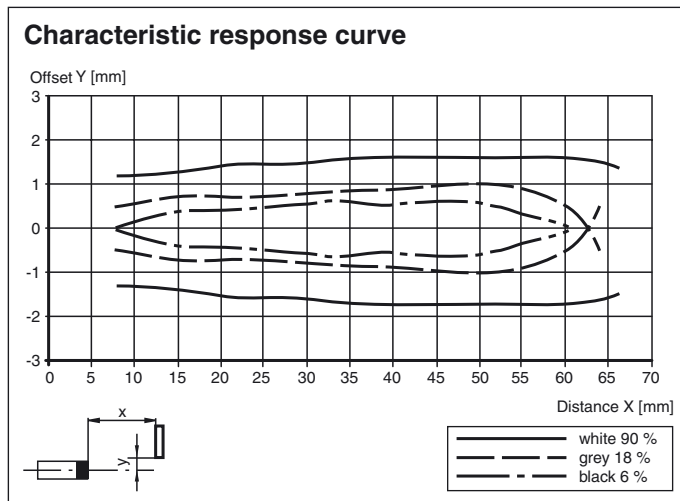
Standards	EN 60947-5-2
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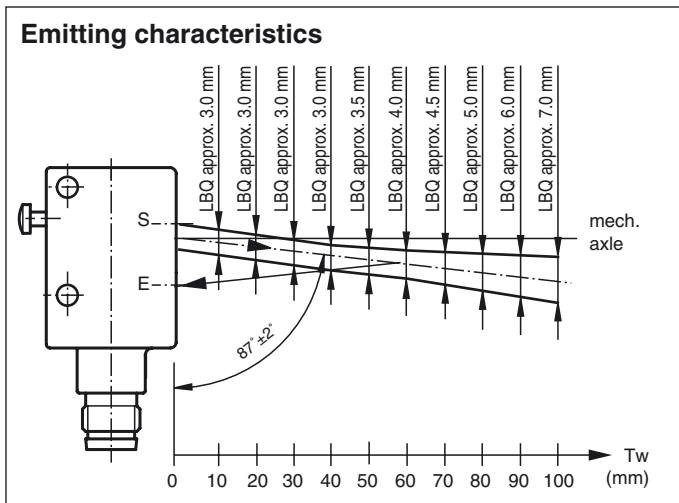
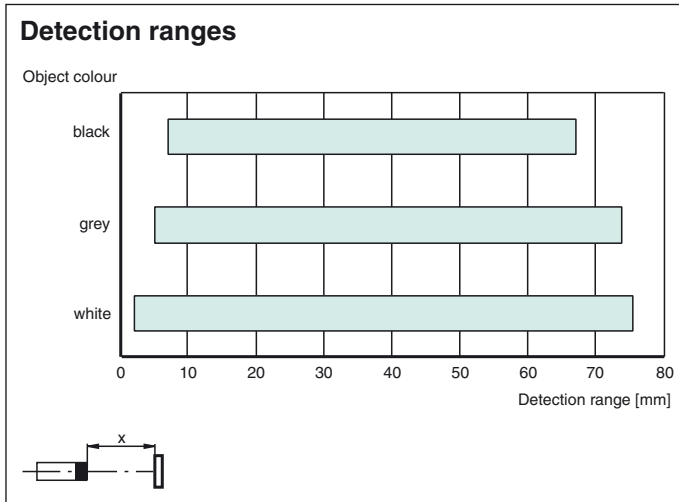
Ambient conditions

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

Mechanical specifications

Protection degree	IP67
Connection	fixed cable 3800 mm with 3-pin AMP connector
Material	
Housing	ABS GV5
Optical face	Plastic pane
Mass	approx. 10 g

Curves/Diagrams



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Subject to modifications without notice

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