



WL27-2F440

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
WL27-2F440	1015101

Other models and accessories → www.sick.com/

Detailed technical data

Features

Sensor/ detection principle	Photoelectric retro-reflective sensor
Dimensions (W x H x D)	24.6 mm x 80 mm x 53.5 mm
Housing design (light emission)	Rectangular
Sensing range max.	0.1 m ... 14 m ¹⁾
Sensing range	0.1 m ... 10 m ¹⁾
Type of light	Visible red light
Light source	LED
Adjustment	Potentiometer

¹⁾ Reflector PL80A.

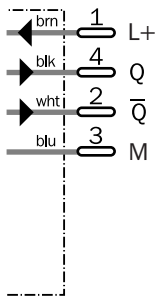
Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Power consumption	35 mA ¹⁾
Switching output	PNP
Switching mode	Light/dark switching
Response time	≤ 500 µs ²⁾
Connection type	Male connector M12, 4-pin
Housing material	Plastic, ABS
Optics material	Plastic, PMMA
Enclosure rating	IP65
Ambient operating temperature	-40 °C ... +60 °C
Ambient storage temperature	-40 °C ... +75 °C
UL File No.	NRKH.E181493 & NRKH7.E181493

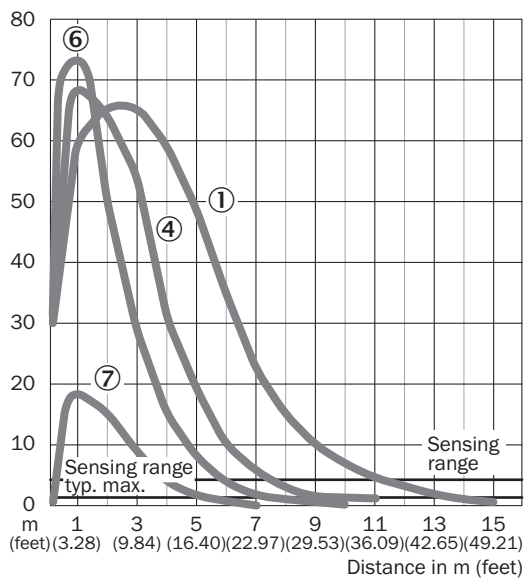
¹⁾ Without load.

²⁾ Signal transit time with resistive load.

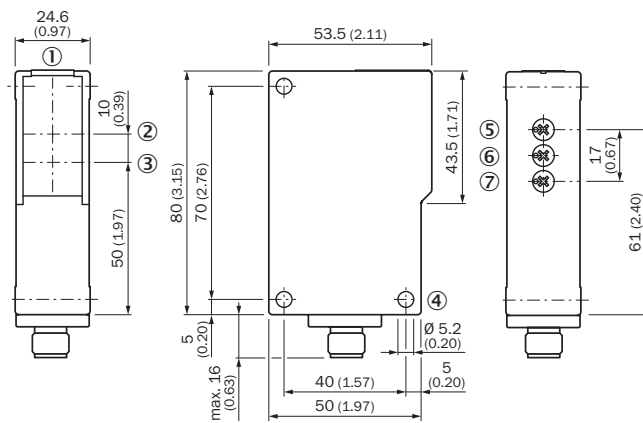
Connection diagram



Characteristic curve



- ① LED signal strength indicator
- ② Optical axis, sender
- ③ Optical axis, receiver
- ④ Mounting hole, Ø 5.2 mm
- ⑤ Sensitivity control



SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com