WLL24

Powerful 2G fiber-optic sensor for explosive environments

SICK
Sensor Intelligence.

WLL24

Technical data overview

Dimensions (W x H x D)	27 mm x 87.5 mm x 74.7 mm
Light source	LED
Type of light	Visible red light
Enclosure rating	IP65
Housing material	Metal
Adjustment	Potentiometer
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Product description

Metal housing for very high stability and a long service life in harsh industrial environments characterize the WLL24 product family. Special electronics are used to efficiently achieve long sensing distances and ranges in conjunction with fiber-optic cable systems, regardless of the limiting factors in the standards for device category 2G. The required intrinsically safe NAMUR amplifiers are available.

At a glance

- Marking: EX II 2G Ex ia op is IIC T4, according to Directive 94/9/EC (ATEX)
- Rated category 2G for explosive environments
- Output type: EN 60947-5-6 (NAMUR)
- Long sensing distances with fiber-optic systems
- M12 plug or M16 screw connection: rotatable 90°
- Durable zinc die-cast housing

Your benefits

- Long sensing distance despite sensing limits for 2G-rated devices
- Metal housing provides high resistance to external factors and a long service life
- Flexible installation due to rotatable connector

Ordering information

Other models and accessories ➜ www.sick.com/WLL24

- **Sensing range max.:** 0 mm … 40 mm, Proximity system (LL3-DB01.),, 0 … 25 mm, Through-beam system (LL3-TB02 and tip adapter LL3-TA01.),, 0 … 10 mm, Through-beam system (LL3-TB02.)
- **Info:** Ex II 2G Ex ia op is IIC T4 Gb according to directive 2014/34/EU PTB 08 ATEX 2029
- **Switching mode:** Light switching
- **Light source:** LED
- **Switching output:** NAMUR
- **Type of light:** visible red light
- **Adjustment:** Potentiometer

Connection type	Type	Part no.
Male connector M12, 4-pin	WLL24-2X430	1026039
Terminal connection with M16 gland	WLL24-2X230	1026038

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**

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