



## WLL24

Powerful 2G fiber-optic sensor for explosive environments

**SICK**  
Sensor Intelligence.



## Technical data overview

### Detection principle

Depending on the optical fiber cable used

## 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](http://www.sick.com/WLL24)

- **Device type:** Fiber-optic amplifier
- **Device type detail:** Stand-alone
- **Functional principle detail:** Depending on the optical fiber cable used
- **Switching mode:** Light switching
- **Switching output:** NAMUR
- **Light source:** LED
- **Type of light:** visible red light
- **Housing:** rectangular

Connection type	Type	Part no.
Male connector M12, 4-pin <sup>1)</sup>	WLL24-2X430	1026039
Terminal connection with M16 gland <sup>1)</sup>	WLL24-2X230	1026038

<sup>1)</sup> Connection rotatable by 90°.

## 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](http://www.sick.com)