

## WLL12-B5271

Industrial automation components

<b>Manufacturer</b>	Sick
<b>Catalog number</b>	wll12-b5271
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Sensing Range</b>	0 to 280 mm
<b>Light Source</b>	Infrared LED
<b>Supply Voltage</b>	10 to 30 V DC
<b>Output Type</b>	PNP/NPN
<b>Enclosure Rating</b>	IP67

### Description

The SICK WLL12-B5271 is a compact photoelectric sensor designed for precise object detection in industrial automation applications. This sensor operates with infrared LED light, providing reliable performance in various environments. It features a sensing range of up to 280 mm, suitable for proximity detection tasks. The device is powered by a supply voltage of 10 to 30 V DC and offers both PNP and NPN output configurations, allowing for versatile integration into different systems. The sensor supports light/dark switching modes, which can be adjusted via a potentiometer for optimal sensitivity. Its robust housing, made of zinc die-cast, ensures durability and protection against harsh conditions, with an enclosure rating of IP67. The WLL12-B5271 is designed to operate in ambient temperatures ranging from -25°C to +60°C, making it suitable for a wide range of industrial environments. Its compact dimensions (15 mm x 49 mm x 53 mm) allow for easy integration into space-constrained applications. This sensor is ideal for applications requiring precise object detection and reliable performance in industrial settings.