



PRODUCT OVERVIEW

W27

Photoelectric sensors

SICK

Sensor Intelligence



PHOTOELECTRIC SENSORS

W27

Ready to use in zone 2 and 22 Ex areas thanks to device category 3G / 3D

W27 photoelectric sensors are suitable for use in a harsh industrial environment. The powerful sensors are designed to withstand strong vibrations, shocks or strong temperature fluctuations. The devices offer a high operational reliability even with reflections. There are also ready-to-install sensor variants with additional protective metal housings that meet the requirements of device categories 3D and 3G according to ATEX. This enables these variants to achieve a mechanical stability that is unmatched by standard sensors.

W27 AT A GLANCE

BENEFITS

- Versatile use in harsh environments, protective metal housing especially suitable for explosion-hazardous areas
- High user-friendliness through easy alignment, commissioning and monitoring
- Fault-free system operation thanks to reliable object detection
- Operational safety thanks to high resistance to harsh ambient conditions

FEATURES

- Sensor variants with additional protective metal housing that meet the device categories 3G and 3D (optionally certified to IECEx and CCC Ex)
- PinPoint LED with well-visible, uniform light spot
- Powerful background suppression and high ambient light immunity
- Vibration resistant and reliable operation at temperatures down to -20 °C

TECHNICAL DATA OVERVIEW

Dimensions (W x H x D)	24.6 mm x 80 mm x 53.5 mm 24.6 mm x 80.6 mm x 54 mm 24.6 mm x 79.5 mm x 43.3 mm 31.4 mm x 112.3 mm x 70.4 mm
Functional principle detail	Background suppression Foreground suppression With minimum distance to reflector (dual lens system) Energetic
Light source	LED / PinPoint LED
Type of light	Infrared light / visible red light
Enclosure rating	IP67 IP65 IP66 IP69K IP54
Housing material	Plastic / metal / plastic
Adjustment	Potentiometer None Teach-in button Wire/pin

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

www.sick.com/W27



SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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