



L29

Small type for optimum integration into safety applications up to type 2

SICK
Sensor Intelligence.



Technical data overview

| | |
|--------------------------------------|---|
| Safety level | PL c, SIL 1, Type 2 |
| Scanning range | 6 m |
| Construction size | 12.2 mm x 50 mm x 23.6 mm |
| Supply voltage | 24 V DC (19.2 V DC ... 30 V DC) |
| Enclosure rating | IP65 (IEC 60529) IP66 (IEC 60529) IP67 (IEC 60529) IP69K (ISO 20653) |
| Ambient operating temperature | -40 °C ... +60 °C |

Product description

The L29 single-beam photoelectric safety switch consists of a sender and receiver. The test input of the sender allows direct functional tests. Performance level PL c in acc. with EN ISO 13849-1 or Type 2 in acc. with IEC 61496 can be achieved in conjunction with an external safety controller of the product family Flexi Classic (UE410-MU). Color LEDs provide information about the operational status. Based on the rugged VISTAL™ housing and the high enclosure rating the L29 is suitable for applications with rough environmental conditions.

Due to the very small size the L29 can easily be integrated in applications with limited installation space.

At a glance

- Type 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849), only in conjunction with an external test device of the product family Flexi Classic (UE410-MU)
- Very small housing dimensions (50 mm x 23,6 mm x 12,2 mm)
- Ultra-rugged VISTAL™ housing
- Ecolab tested material resistance
- Enclosure rating IP 66, IP 67 and IP 69K
- Temperature range from -40 °C to +60 °C

Your benefits

- Easy integration due to very small design
- Reliability in installation and operation due to rugged VISTAL™ housing
- Very good material resistance, tested based on the Ecolab testing method
- Well suited to withstand extreme ambient conditions such as heat, cold or moisture
- Quick and easy alignment based on the highly visible light spot of the PinPoint LED
- Multiple mounting possibilities due to M3 slotted hole design

Fields of application

- Packaging industry: protecting small gaps
- Automatic gates: e.g., protecting the closing edge on roller doors

Ordering information

Other models and accessories → www.sick.com/L29

| Scanning range | Housing material | Sender | | Receiver | |
|----------------|------------------|-------------|----------|-------------|----------|
| | | Type | Part no. | Type | Part no. |
| 6 m | VISTAL® | L29S-3D3430 | 2075831 | L29E-3P3430 | 2075833 |

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