



DT35-S

Safety distance sensors for various applications

SICK
Sensor Intelligence.



Product description

With the DT35-S, SICK is offering a safety distance sensor for the protection of persons and capital goods up to performance level b. Thanks to its large measuring range, the DT35-S can be used for safe presence monitoring in intralogistics and for precise, safe lifting height detection on industrial vehicles. With its compact housing and features such as analog and digital output, the DT35-S works reliably even in small spaces and increases your productivity. Safe measurement data output via IO-Link enables efficient processes, from commissioning to diagnostics and maintenance. In combination with the Flexi Soft safety controller and other safety sensors, applications up to performance level d can be achieved.

At a glance

- Detection range from 0.05 m to 8.5 m
- Safe analog and digital output
- Compact housing size
- IO-Link
- Certified to ISO 13849 (PL b) and IEC 62998 (PC B)

Your benefits

- Solve a large range of applications up to performance level b
- Save time and money thanks to very flexibly configurable analog output and freely parameterizable switching functions
- Integrate the DT35-S almost invisibly into new and existing systems, even where space is limited
- From commissioning to diagnostics and maintenance – take advantage of efficient processes thanks to standardized communication via IO-Link interface
- Certification up to performance level b allows versatile use of the DT35-S for the protection of persons and capital goods

Fields of application

- Cliff detection
- Push-through protection in pallet warehouses
- Safe lifting height detection
- Collision avoidance of shuttles in small parts warehouses
- Presence monitoring of persons and objects
- Safe level monitoring
- Idle running monitoring for placement machines

Ordering information

Other models and accessories → www.sick.com/DT35-S

- **Communication interface:** IO-Link
- **Minimum response time:** 15 ms
- **Digital output:** 1 ... 2 x push-pull: PNP/NPN
- **Type of analog output:** Current output
- **Multifunctional input (MF):** 1 x (Response time ≤ 60 ms.), Voltage level MF input active: High ≥ 14 V (applies only in the specified supply voltage range), Voltage level MF input inactive: Low ≤ 5 V (applies only in the specified supply voltage range)

Laser class	Light source	Type	Part no.
1	Laser, red ¹⁾	DT35S-B15551	1122103
2	Laser, red ²⁾	DT35S-B15251	1122104

¹⁾ Wavelength: 658 nm; max. output: 250 mW; pulse duration: 4 ns; duty cycle: 1/500.

²⁾ Wavelength: 658 nm; max. output: 250 mW; pulse duration: 4 ns; duty cycle: 1/250.

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