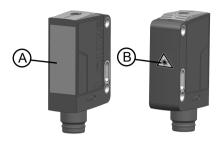
Laser diffuse reflection sensor

HT25CL2

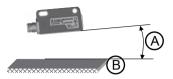






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3





Laser safety notices - laser class 2



- A Laser aperture
- B Laser warning sign

⚠ WARNING

LASER RADIATION - LASER CLASS 2

Never look directly into the beam!

The device satisfies the requirements of IEC 60825-1:2007 (EN 60825-1:2007) safety regulations for a product of **laser class 2** as well as the U.S. 21 CFR 1040.10 regulations with deviations corresponding to "Laser Notice No. 50" from June 24, 2007.

- Never look directly into the laser beam or in the direction of reflected laser beams! If you look into the beam path over a longer time period, there is a risk of injury to the retina.
- Do not point the laser beam of the device at persons!
- Interrupt the laser beam using a non-transparent, non-reflective object if the laser beam is accidentally directed towards a person.
 When mounting and aligning the device, avoid reflections of the laser beam off reflective surfaces!
- CAUTION! The use of operating or adjusting devices other than those specified here or carrying out of differing procedures may lead to dangerous exposure to radiation.
- Observe the applicable statutory and local laser protection regulations
- The device must not be tampered with and must not be changed in any way.
 - There are no user-serviceable parts inside the device.
- Repairs must only be performed by Leuze electronic GmbH + Co. KG.



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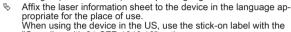
Laser information and warning signs

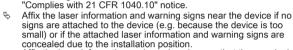
2

NOTICE

Affix laser information and warning signs!

Laser information and warning signs attached to the device. Also included with the device are self-adhesive laser warning and laser information signs (stick-on labels) in multiple languages.





Affix the laser information and warning signs so that they are legible without exposing the reader to the laser radiation of the device or other optical radiation.

Application notes



- A Slight inclination 5° ... 7°
- B Glossy object surface within the operating range

Detection of glossy surfaces within the operating range

When detecting glossy surfaces (e.g. metals), the light beam should not hit the object surface at a right angle. A slight inclination is enough to detect the object reliably. The following applies: the smaller the range, the greater the angle of inclination (approx. 5° to 7°).

NOTICE



It is imperative to note the task and the associated inclination of the sensor of approx. $5^\circ\dots 7^\circ$.