ET/FT 318B / 328   Reflection light scanner

Remarks

Observe intended use!
↳ This product is not a safety sensor and is not intended as personnel protection.
↳ The product may only be put into operation by competent persons.
↳ Only use the product in accordance with the intended use.

● You can find **detailed information** for your sensor at **www.leuze.com**
Enter the **"part no."** for your sensor in the **"Enter search term"** field and click on the desired sensor in the search result list. The detailed information for your sensor and for the available downloads is displayed.
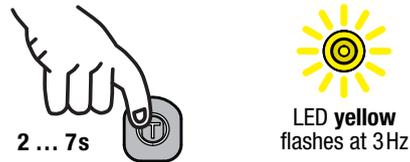
Teach-in method

Teach	Operating level 1	Operating level 2
Standard Teach	**Teach on object:** During this teach event, the object is located in front of the sensor. The switching threshold is set by the teach so that the object is detected with a tight signal reserve **R**. Thus, the object is detected even if the distance increases by the value **r** with respect to the distance during the teach. Switching output | A	Signal - object | B	Teach on object | C	Switching threshold	**Teach on background:** This teach is only suitable for applications with a fixed background. The teach is performed directly on the background without an object. The switching threshold is set to a value that is just above the background signal (signal reserve **R**). Thus, objects can be detected up to a distance of **r** in front of the background. Switching output | A	Signal - background | B	Teach on background | C	Switching threshold

Operation via teach button

Teach in operating level 1
● Press teach button until the LED flashes **yellow**.
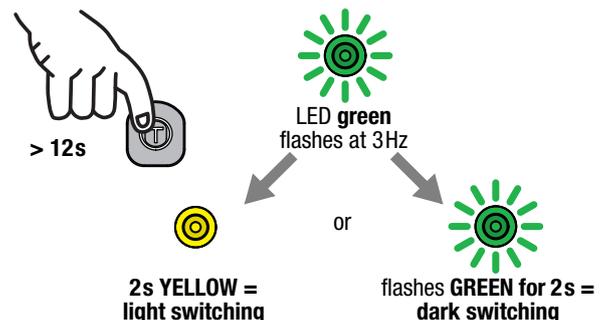● Release teach button.
● Ready.

2 … 7s

LED **yellow**
flashes at 3 Hz

Teach in operating level 2
● Press teach button until the LED flashes **green** and **yellow alternately**.
● Release teach button.
● Ready.

7 … 12s

flashes **yellow** and **green alternately**
with 3 Hz

Adjusting the switching behavior of the switching output – light/dark switching

This function permits inversion of the sensors' switching logic.

● Press teach button until the LED flashes **green**.
● Release teach button.
● The LED then displays the changed switching logic **for 2s**:

YELLOW Continuous light = switching outputs **light switching** (in the case of complementary sensors, Q1 (pin 4) light switching, Q2 (pin 2) dark switching), this means output active when object is detected.

GREEN Flashing light = switching outputs **dark switching** (in the case of complementary sensors, Q1 (pin 4) dark switching, Q2 (pin 2) light switching), this means output inactive when object is detected.

● Ready.

> 12s

LED **green**
flashes at 3 Hz

or

2s YELLOW =
light switching

flashes GREEN for 2s =
dark switching