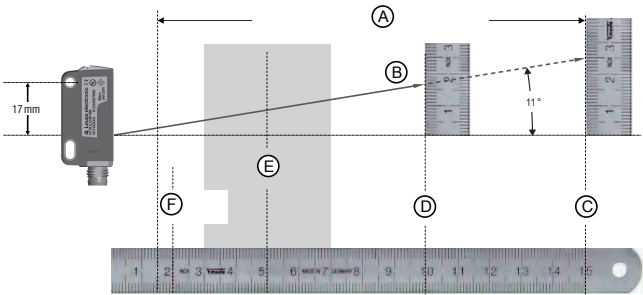


## Diffuse reflection sensor with V-optics

### HT3CV / HT3CVXL



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## Application notes

- Position the sensor vertically and parallel to the object.
- Only move objects in from the side and from the right or left. Moving in objects from the connector side or operating side is not permitted.
- Outside of the operating range, the sensor operates as an energetic diffuse reflection sensor. Light objects can still be reliably detected up to the maximum range.
- The sensors are equipped with effective measures for the maximum avoidance of mutual interference should they be mounted opposite one another. Opposite mounting of multiple sensors of the same type must absolutely be avoided.
- The sensor is most capable of reliably detecting a reflective surface or transparent object in the recommended working range. The sensor can reliably detect reflective surfaces or transparent objects in the entire operating range; however, the function reserve is reduced as compared with the recommended working range.

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- A Operating range: 15 ... 150 mm
- B Light axis
- C Adjustment range up to 150 mm
- D black-white error < 10% up to 100 mm
- E Recommended working range
- F Adjustment range from 20 mm

### NOTICE



Outside of the operating range, the sensor operates as an energetic diffuse reflection sensor. Light objects can still be reliably detected up to the maximum range.

### NOTICE



The sensors are equipped with effective measures for the maximum avoidance of mutual interference should they be mounted opposite one another. Opposite mounting of multiple sensors of the same type should, however, absolutely be avoided.