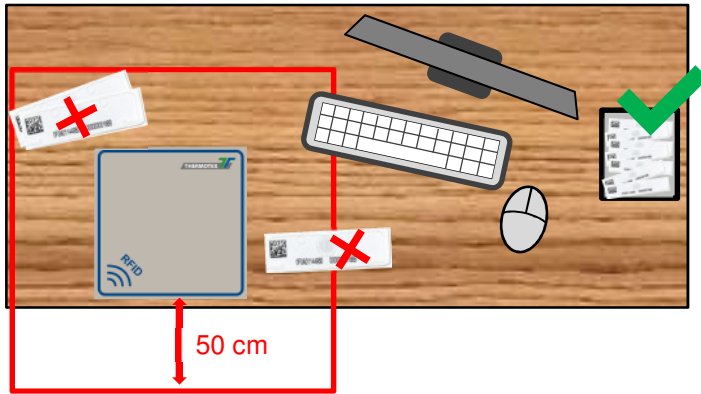


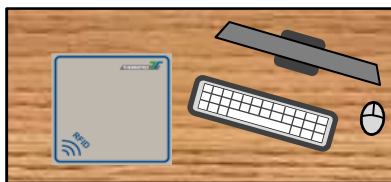
## Important notes for the use of UHF RFID reading systems (868 MHz)

### Installation and operation of desktop reading systems



Please make sure that there are no tags in an area of approx. 50 cm around the antenna. Also pay attention to transponders that have been inserted!

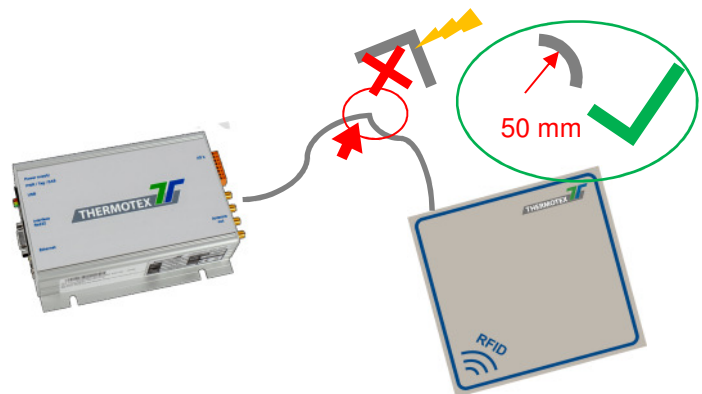
Do not place a keyboard or mouse on the antenna. Please do not run any cables in the direct vicinity or above the antenna!



5 Meters  
↔

Ensure that there is sufficient distance between several reading systems to avoid mutual crosstalk!

When setting up the reading system, be careful not to bend the antenna cable. Please maintain a bending radius of approx. 50 mm.

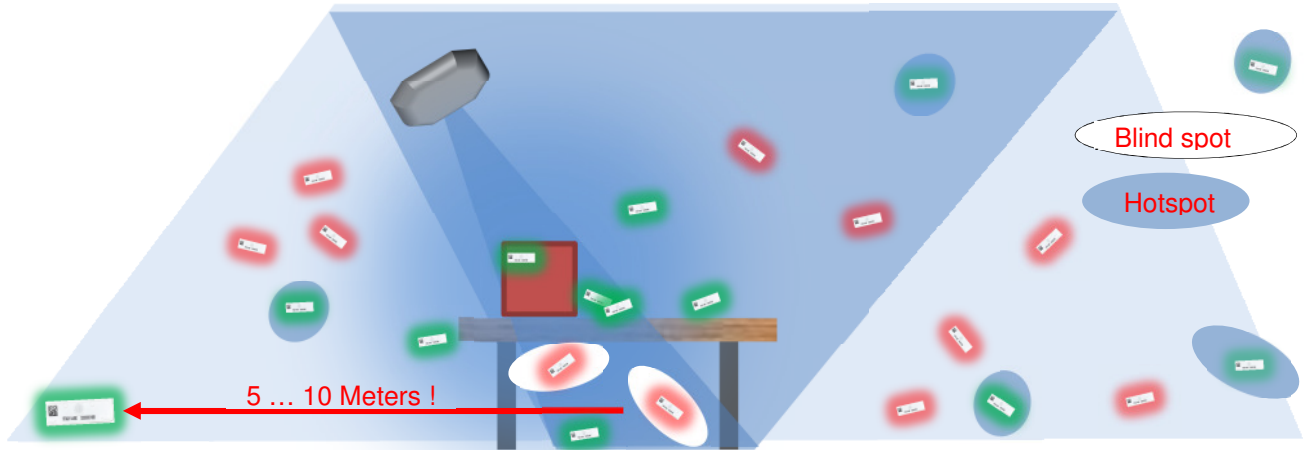


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### Notes on open reading systems (Universal x)

If a certain area is covered by antennas, e.g. above a conveyor belt, it must be expected that transponders can be detected sporadically even outside the reading field at a distance of approx. 5 to 10 m. A correspondingly large safety distance must be maintained here if this is to be ruled out. By reflections and superimposing the electromagnetic waves, "hotspots" can also occur outside the desired reading range. Waves can also cancel each other out, resulting in "blind spots" in the working range of the antenna.

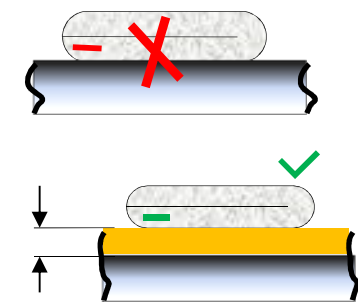
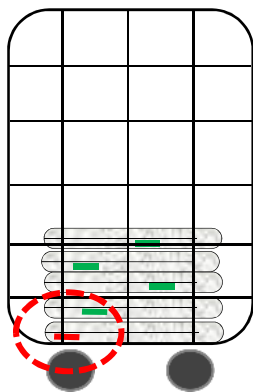


### Positioning of the tags

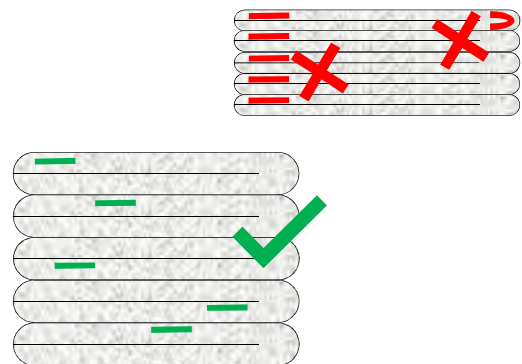


Gripping range for automatic ironers

- When patching the tags, please observe the corresponding processing instructions. Vary the position of the transponder and avoid the areas of the fold lines and corners in flat linen.
- If the tags lies directly on metal (e.g. metal floor of a transport trolley or on bars), it is read only poorly or not at all. This can be avoided, for example, by placing a plastic plate on the metal surface.
- Even if the tags are stacked too close, the reading range may be reduced because the tags influencing each other.



Ca. 10...20 mm



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