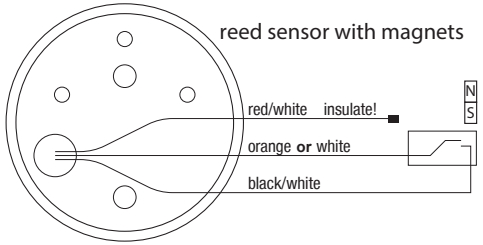
Manual - Reed sensor

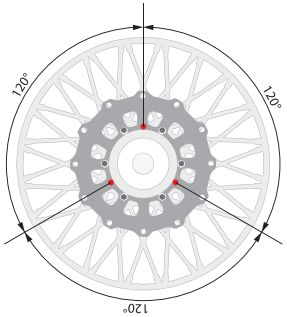
Reed sensors are passive sensors and only detect magnets with a switching distance of 1-5mm. The switching distance depends on the strength of the magnet.

Wiring diagram:



Mounting:
Reed sensors require magnets with a switching distance of approx. 1-5mm! Use the enclosed cable ties to fasten the sensor (cuboid) and to lay the cables.

If you use more than one magnet, they must be spread evenly over 360°!



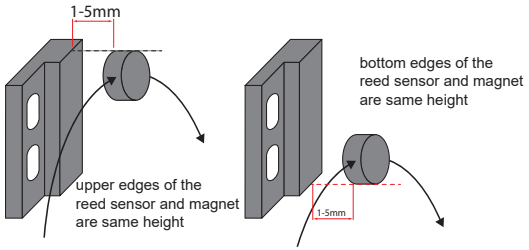
Example: 3 magnets

When attaching the magnets, make sure that they are NOT directly next to or at the same height as other ferromagnetic elements. If possible, do not sink magnets deeper than 1/3. The magnetic field may be disturbed and the switching distance or switching behaviour of the sensor may be negatively affected.

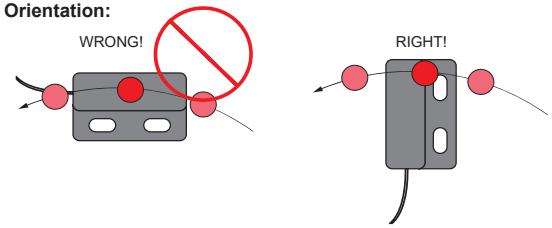
Further notes for installation:

- Glue the magnets to the wheel on a flat, clean, grease-free surface.
  e.g.: wheel hub, brake disc (as close as possible to the axle to avoid centrifugal forces, cardan shaft, drum brake)
- Install magnets that they are not exposed to temperatures higher than 100°C - demagnetisation may occur.
- Use 2-component adhesive glue, that is suitable for the respective substrate. For additional safety, we recommend drawing a silicone joint around the magnets.

Mounting and alignment of magnet and sensor:



Orientation:



When mounted on the rear wheel, the sensor cable can be extended. We recommend laying the cable at a minimum distance of 20cm from the ignition coil or shielding it to avoid interference signals!

SAFETY NOTE:

If one or more magnets are lost, the indicated speed no longer corresponds to the actual speed. The real speed is higher!

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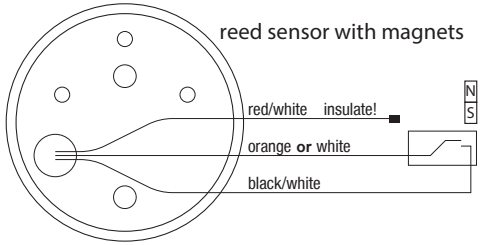

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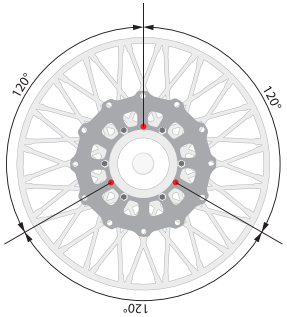

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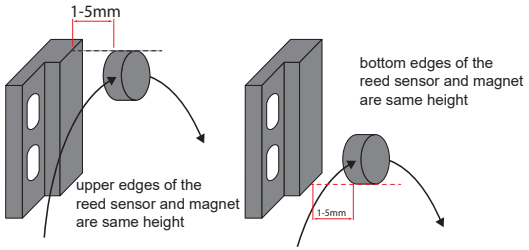
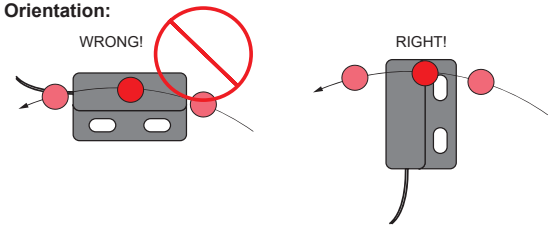


Orientation:



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