

9 DEALER MANUAL FOR SR SD071.02



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9.1 INTRODUCTION OF SENSOR

- **Appearance:**

- ① Speed sensor



- ② Magnet unit



- **Name:** Speed sensor

- **Model:** SR SD071.02

- **Material:** The main body of the speed sensor is PA66 + 30%GF, and the cabling is PVC. The magnet bracket is SUS304, and the magnet is 38M.



In the e-bike system, the speed sensor is used with the magnet unit to detect wheel's rotation signal. Thus the controller in the system can calculate the riding speed according to the number of turns and the interval time of this signal. Double hall ensures the security of signal detection and meets the safety requirements of EN15194.

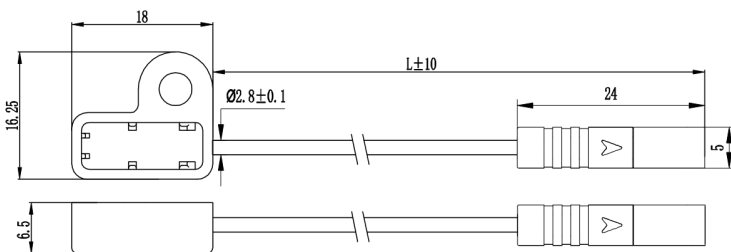
9.2 SPECIFICATIONS

Model: SR SD071.02

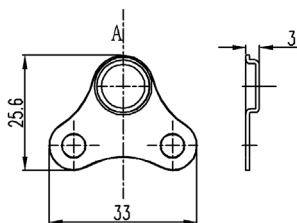
Rated Voltage	5±0.5V
Rated Current	<10mA
Operating Temperature	-20 C~70 C
Storage Temperature	-30 C~80 C
Storage Humidity	30%-70%
Waterproof	IP65

9.2.1 Outline and Geometric Size

① Speed sensor



② Magnet unit



9.2.2 Cautions

- The pedelec should be stored in a ventilated dry room. Avoid storing the pedelec near strong magnetic objects.
- Should not be used for a long time overload.
- Should avoid wading to use.



Do not contact magnetic materials with products (mainly axes)



It is forbidden to be knocked during product transportation and installation.

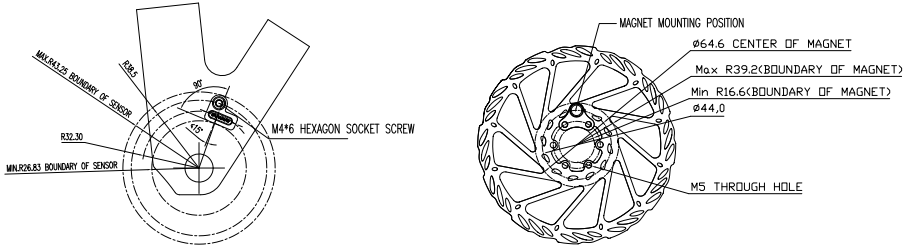


At installation and disassembly it shall be carried out in accordance with the prescribed procedures to prevent break line.

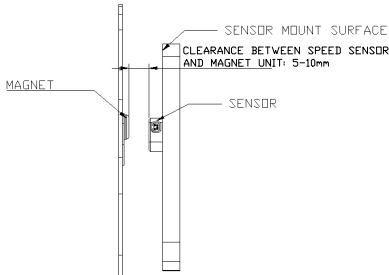
9.3 SENSOR INSTALLATION

9.3.1 Installation Requirements

1. The mounting hole size of the speed sensor and the magnet unit:

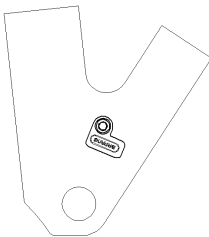


2. Make sure that the clearance between the speed sensor and the magnet unit is from 5 to 10 mm.



9.3.2 Installation Steps

1. Place the speed sensor on the rear fork, fasten the hexagon socket screw M4*6 clockwise at the tightening torque of 2 N.m. Then insert the end cap onto the screw.



2. Place the magnet unit on the disc brake, secure it with two M5*12 screws with a screwdriver at the tightening torque of 3 N.m. (Note: Ensure the clearance between speed sensor and magnet unit is 5-10mm.)

