

KFS SIL2*: Signal Crossing Prevention System - (ATS - Automatic Train Stop)

Ongoing certification of the CERTIFER contract No. ECI1462

KFS Sensor

ANTI-SIGNAL CROSSING

The KFS sensor is an onboard device for electrical and thermal railway systems (train/urban subways/RER/tramways ...).

It is usually assembled under the body of hauling elements at the level of the axle and is therefore subject to significant mechanical constraints (vibrations/shocks/accelerations) and climatic constraints (heat/humidity/corrosion/salt ...).

Its main objective is to detect two types of fields: one is magnetic from an electric magnet or permanent magnet, the other is low frequency electromagnetic from an antenna, generated by the RPS, KPVA or KFS1 track antennas assembled on the track between the train rails. The KFS sensor sends the information it receives to the KFS block, which decodes it and transmits the information to the emergency brake system or the driver's alarm.



KFS Sensor



KFS Sensor assembled on a train



Internal view of an KFS Sensor

Reference

- Corse :
 - Number of copies: 70
 - Year Implemented: 2006