Description of function, NCV2 EZS 433 and 315 MHz

Introduction:
The close and start management offers a solution for locking and unlocking the vehicle in conjunction with a travel entitlement system at a very high security standard.

Description EZS:
The vehicle is locked and unlocked by an IR/HF remote control. The HF receiver is integrated in the EZS and receives the frequencies of 433.92 MHz or 315.00 MHz, depending on the version. The antenna has a separate connection. The IR receiver is an external receiver. The demodulation of the IR signals is carried out by the door steering device ("TSG").
Both the IR and HF signals are decoded exclusively by the EZS. The resulting commands are transferred to the I-CAN. The EZS is the master steering device for the closing and opening functions (exception: emergency opening in the case of a crash). It sends the TSG and the SAM control requirements and receives status reports from these in return. The remote control is fitted with batteries in the key. When the batteries are empty, the door can be opened with the mechanical key (not recognised by the EZS).
The vehicle is started through the bi-directional IR communication in the EZS. By putting the key into the EZS, the electronics are activated and he key is supplied with energy (inductively) from the EZS. The key is identified through a bi-directional data exchange. The "vehicle entitlement system" ("FBS") in the EZS releases the steering device through the CAN bus. At the same time, the mechanical lock ("ELV", steering wheel lock) is also released.