

**User manual / Functional description**

**for**

**SIEMENS - MERCEDES BENZ**

**Radio - Frequency - Remote - Control – System**

**FBS 3**

**5WK4 8705**

SIEMENS AG  
FCC ID: KR55WK48705  
EXHIBIT #: ISA

<b>FUNCTIONAL DESCRIPTION</b> .....	3
GENERAL PRODUCT DATA.....	3
<i>Summary FBS III (IIIrd generation immobilizer system)</i> .....	3
<i>Functional description - key</i> .....	3
<i>"USA/Canada" design</i> .....	3
<i>Description of push-buttons</i> .....	4
<i>Sequence of remote-controlled functions</i> .....	4
ARCHITECTURE: BLOCK / SURVEY DIAGRAM.....	5
<b>ELECTRICAL PROPERTIES</b> .....	6
ELECTRICAL POWER SUPPLY.....	6
BATTERY VOLTAGE SUPPLY.....	6
<i>Inductive power supply</i> .....	6
INFRARED TRANSMITTER AND RECEIVER.....	6
RADIO TRANSMITTER.....	6
TEMPERATURE RANGE.....	6
CURRENTS.....	6
<b>OPERATOR FUNCTIONS REGARDING THE TYPE APPROVAL FOR RADIO EQUIPMENT</b> .....	7

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## Functional description

### General product data

#### Summary FBS III (IIIrd generation immobilizer system)

The FBS III is a system which combines the convenience function of a remote-controlled central locking system (access control) with the safety function of an immobilizer system.

Access control (remote control): Opening, closing and remote-controlled trunk unlocking are effected by a unidirectional radio link. A redundant infrared link has been set-up for the functions "opening, closing and remote-controlled trunk unlocking"; additional functions are implemented via infrared as comfort functions.

The basic equipment of the FBS3 system comprises the electronic main key for the access and immobilizer functions. All electronic keys are equipped with mechanical keys which ensure mechanical opening of the doors in cases of emergency.

#### Functional description of the key

The key access remote control is realised as RF and IR emitter. The main key is available in various designs or variants, according to the requirements of the different countries.

#### "USA/Canada " design

The USA/Canada design comprises the following push-buttons.

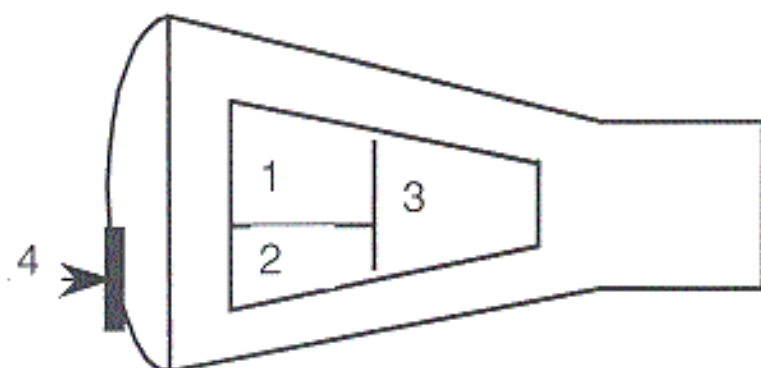


Fig. 1: USA/Canada key design - Arrangement of push-buttons

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## Operator functions regarding the type approval for radio equipment

The keys which are subject to type approval for radio equipment can be put in specific radio transmission states by activating the specific push-button combinations.

The following specific functions are available:

- Continuous transmission, higher FSK transmission frequency
- Continuous transmission, lower FSK transmission frequency
- Continuous transmission, FSK transmission signal

Push-button combination:

- Push-button 1: Continuous transmission, higher FSK transmission frequency ("Opening" push-button)
- Push-button 3: Continuous transmission, lower FSK - transmission frequency ("trunk" push-button)
- Push-buttons 1 and 3 simultaneously:  
Continuous transmission, FSK - transmission

signal

Push-button 2: Continuous transmission OFF ("Closing" push-button)

The system has to be turned off between each transmission mode.

Type FBS 3 consists of:

MLFB-number	Component
5WK4 8705	RF - transmitter

Label design:

Siemens 315 MHz 5WK4 8705 FCC ID: KR55WK4 8705 CAN: xxx xxx xxx
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This device complies with part of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interferences, and (2) this device must accept any interference received. Including interference that may cause undesired operation.