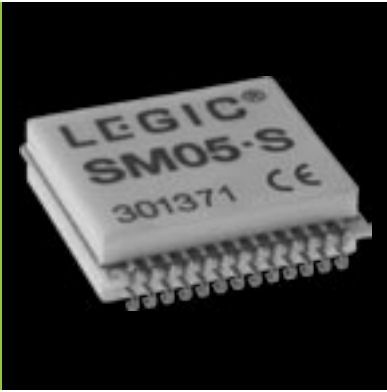




LEGIC®

innovation in ID technology



Due to its compact construction and small power requirements, the SM05-S is used in door locks, vending machines, time terminals, portable hand-held devices, etc.

Description

The components contained in the highly integrated security module SM05-S fulfil the following tasks:

HF Part

- Sending of the energy and digital data to the LEGIC data carrier
- Receiving of the data from the data carrier

Digital Part

- Encodes/decodes the transmitted data
- Modulation/demodulation
- Converting of the various interfaces to the application computer

Security Module SM05-S

Sophisticated security concept, controlled through

- Authentication
- Authorisation
- Data organisation
- Read-/write protection
- System configuration

Characteristics

- Smallest dimensions
- No additional components required
- Multiapplication capability: Direct access to specific segments (applications) via freely selectable search criteria
- Non-erasable and not reproducible unique number and licensee identification
- In-built security via encrypted data transfer through hardware and software-controlled coding procedure
- Selectable transmission speed
- Software-activated stand by mode
- Controllable HF power output
- Easy integration through simple software commands
- Standardised antenna output impedance
- System configuration via system authorisation cards

Specifications

- **Transmitting frequency:** 13.56 MHz
- **Max. read-/write distance:** up to 10 cm depending on antenna
- **Power supply:** DC 3 ... 5.5 V
- **Output impedance:** 50 Ohm
- **Operating temperature:** -25 ... 85 °C
- **Interfaces:** serial asynchronous/synchronous, Omron (MAG), NSI
- **PLCC 52 case** (20 x 20 x 5.3 mm), made of ceramics
- **EN 300 330 and CE conform**

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