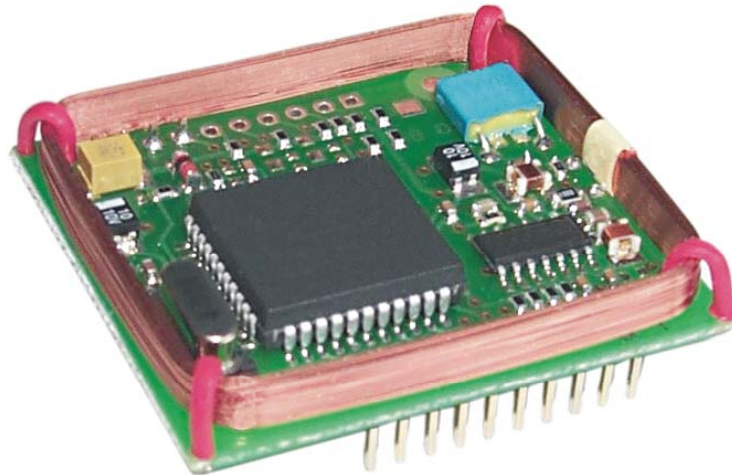




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**Reader module
ID RW01L.AB-A**



Multitag proximity reader module for identification of 125 kHz transponders for typical applications like identification of persons, access control, time registration, charging systems etc.

Features:

- Multi-tag reader (Read only transponders can be read, Read write transponders will be read and written)
- supports the current transponder types of different manufacturers like Philips Semiconductors (HITAG S, HITAG 1), SOKYMAT (Unique, Q5), EM (Read only) etc.
- reader has two different interfaces (RS232-TTL as well as data-/clock interface in magnet card emulation or Wiegand emulation)

Short description and technical information

Short description

Reader type ID RW01L.AB-A has been especially designed for applications such as personal identification, access control, time recording, accounting systems etc. Our reader distinguishes itself due to its multitag-ability, which means that it can read Read-only transponders (ID CTx.A) resp. read and write Read/Write transponders (ID DTx.B).

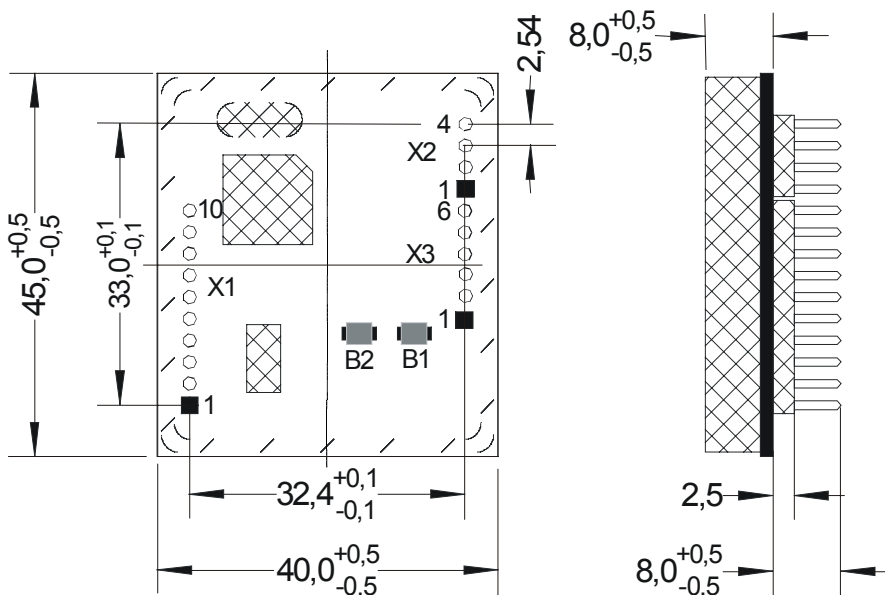
It is equipped with a bi-directional, asynchronous interface (RS232-TTL) and a unidirectional data-/clock interface, which can be operated in Wiegand- or magnet card emulation. The emulation modes of the data-/clock interface make it easy to change from standard identification readers to reader type ID RW01L.AB-A.

ID RW01L.AB-A can be easily adapted to the respective application by a software configuration.

Technical Data

Dimensions (LxWxH)	45 x 40 x 16 mm (non-sealed)
Connector plug	10-pole pin terminal on the solder side (pins: 0,7 x 0,7)
Operating frequency	125 kHz
Power supply	5V DC +/- 5%
Current consumption	approx. 40 mA
Processable transponders	ID CTx.A (Read-only) ID DTx.B (Read/Write)
Antenna	integrated -- 42 x 38 mm
Reading distance	8 cm* with ISO transponder card
Interfaces	1x RS232-TTL 1x Data-/clock interface (magnet card emulation and Wiegand emulation)
Temperature range	
Operation	-20°C up to 70°C
Storage	-20°C up to 70°C
Funktions	Polling-Mode (over RS232-TTL) Reading and writing of transponder data Scan-Mode (over RS232-TTL and Data-/clock interface) independent reading of transponder data

Dimensions



Any statement in mm

Examples of processable transponder types:

a) Read-only transponders

- EM 4001 (EM Microelectronics)
- EM 4002 (EM Microelectronics)
- EM 4022 (EM Microelectronics)
- EM 4102 (EM Microelectronics)
- Unique (SOKYMAT)
- ...

b) Read/Write transponders

- HITAG 1 (Philips Semiconductors)
- HITAG S (Philips Semiconductors)
- Q5 (SOKYMAT)**
- 555x (Temic)**
- ...

** Depending on encoding and operation mode

FEIG ELECTRONIC reserves the right to change the specification without notice at any time.

* Depending on size and quality factor of the antenna used within the tag.

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