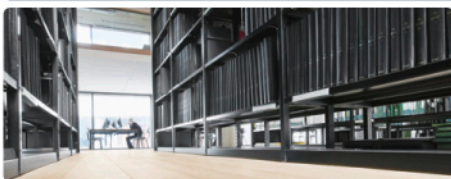


## HF Proximity Reader ID ISC.PR101



### FEATURES

- Integrated antenna
- Compact Multi-tag Reader for various applications
- Anti-collision function
- Numerous communication interfaces: USB, RS232, RS485
- Available as module or housing version
- 2 different reader modes
- Ideal for retail, industry, logistics and libraries



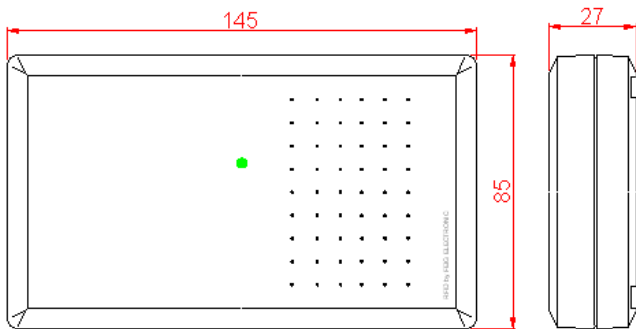
## SHORT DESCRIPTION

The HF Proximity Reader ID ISC.PR101 identifies transponders according to ISO 15693 with an operating frequency of 13,56 MHz. The reader offers an integrated antenna and realizes a maximum read range of 18 cm.

Due to its numerous communication interfaces the HF Proximity Reader ID ISC.PR101 is suitable to be used in fields of applications like library, retail, logistics and industry and is easy to integrate in existing systems.

With its anticollision function the ID ISC.PR101 is able to read several transponders simultaneous. A switchable DC voltage at the antenna output can supply a LED inside a connected antenna.

Depending on the interface the ID ISC.PR101 is available as module or housing version. For the housing version the electronic is mounted inside a solid plastic housing which could be used in industrial environments.



## ORDER DESCRIPTIONS

|                  |                                |
|------------------|--------------------------------|
| ID ISC.PR101-A   | Housing version; RS232 / RS485 |
| ISC.PRM101-A     | Module version; RS232 / RS485  |
| ID ISC.PR101-USB | Housing version; USB 2.0       |

## TECHNICAL DATA

|                               |                                    |
|-------------------------------|------------------------------------|
| Dimensions (W x H x D)        | 85 mm x 145 mm x 31 mm             |
| Weight                        | 200 g                              |
| Housing                       | Plastic ABS                        |
| Protection class              | IP 30                              |
| Color                         | similar RAL 9018 (Papyrus white)   |
| Operating frequency           | 13.56 MHz                          |
| Transmitting power            | 0.5 W ± 2 dB                       |
| Supply voltage                |                                    |
| - ID ISC.PR(M)101-A           | 12...24 V DC +/- 15%               |
| - ID ISC.PR101-USB            | 5 V DC (via USB)                   |
| Current consumption           | maximum 0.5 A                      |
| Power consumption             |                                    |
| - ID ISC.PR(M)101-A           | maximum 5 VA                       |
| - ID ISC.PR101-USB            | maximum 2.5 VA                     |
| Antenna                       | integrated                         |
| Read range                    | maximum 18 cm                      |
| Interfaces                    |                                    |
| - ID ISC.PR(M)101-A           | RS232 / RS485                      |
| - ID ISC.PR101-USB            | USB 2.0                            |
| Indicators, optical           | 1 LED (multicolored)               |
| Supported transponders        | ISO 15693<br>(ISO 18000-3 MODE 1)* |
| Operation modes               | ISO Host Mode, Scan Mode           |
| Address setting for interface |                                    |
| - ID ISC.PR(M)101-A           | Software (up to 254 addresses)     |
| - ID ISC.PR101-USB            | Device-ID of the reader            |
| Temperature range             |                                    |
| Operation                     | -25 °C up to 60 °C                 |
| Storage                       | -25 °C up to 70 °C                 |
| Relative humidity             | 5...95 % (not condensing)          |

\* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDS Sensor Chips, Infineon my-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

## STANDARD CONFORMITY

|                   |                     |
|-------------------|---------------------|
| Radio approval    |                     |
| Europe            | EN 300 330          |
| USA               | FCC 47 CFR Part 15  |
| Canada            | IC RSS-GEN, RSS-210 |
| EMC               | EN 301 489          |
| Safety            |                     |
| Electrical Safety | EN 60950            |
| Human Exposure    | EN 50364            |

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
State of information: August 2016.