

I-scan[®] HF

(13.56 MHz)

Proximity Reader
ID ISC.PR101-A/-USB



Multi-tag Reader for identification of ISO transponders in fields of application like retail, industry, logistics, libraries etc.

Features:

- Anti-collision function
- Integrated antenna
- Multi-tag Reader (ISO 15693- and ISO 18000-3 tags)
- Two operation modes: FEIG ISO HOST & Scan-Mode

Short description and technical data

Short description

Just as any device of the OBID *i-scan*®*HF* product family, the Proximity Reader ID ISC.PR101-A/-USB identifies transponders with an operating frequency of 13.56 MHz.

The reader has an integrated antenna with a maximum reading / writing distance of up to 18 cm.

Due to its compact dimensions, the reader is suitable for desk-applications including the identification of files or documents, registration of the lending and return of goods or books etc.

The reader's anti-collision function facilitates simultaneous identification of several objects even when they are wrapped.



Document identification is only one of several possible applications for ID ISC.PR101-A/-USB.

Standard conformity

| | |
|------------------|-------------------------------------|
| RF approval | |
| - Europe | EN 300 330 |
| - USA | FCC 47 CFR Part 15 |
| - Canada | RSS-Gen Issue 1, RSS-210 Issue 6 |
| EMC | EN 301 489 |
| Safety | |
| - Low voltage | EN 60950 |
| - Human Exposure | EN 50364 |

Technical data

| | |
|----------------------------------|---|
| Housing | Plastic ABS |
| Colour | Papyrus White RAL 9018 |
| Dimensions (WxLxH) | 85 x 145 x 31 mm (3.35 x 4.72 x 1.77 inch) |
| Protection class | IP 30 |
| Weight | 200 g (0.44 lb) |
| Supply voltage | |
| - variant -A (RS232/RS485) | typical 12 V DC max. 12 - 24 V DC +/- 15% |
| - variant -USB | 5 V DC (via USB) |
| Current draw | max. 0.5 A |
| Power consumption | |
| - variant -A (RS232/RS485) | max. 5 VA |
| - variant -USB | max. 2,5 VA |
| Operating frequency | 13.56 MHz |
| Transmitting power | 0,5 W +/- 2dB |
| Antenna | integrated |
| Reading distance | max. 18 cm |
| Interfaces | RS232 / RS485 (configurable) or USB (12 Mbit) |
| Optical indicator Protocol | 1 LED (multicolour; red/green) |
| Modes Supported | FEIG ISO HOST & Scan Mode |
| transponders | - ISO15693, ISO18000-3-Mode1 (EM HF ISO chips, Fujitsu HF ISO chips, KSW Sensor chips, Infineon my-d, NXP I-Code, STM LRI ISO chips, TI Tag-it) |
| | - NXP I-Code1, I-Code UID, I-Code EPC |
| Address setting for interface | |
| - Variant -A (RS232/RS485) | Software (up to 254 addresses) |
| - variant -USB | Device ID of the reader |
| Temperature range | |
| - operation | -25°C to 60°C (-13°F to 140°F) |
| - storage | -25°C to 70°C (-13°F to 185°F) |
| Humidity | 5 - 95% (non condensing) |

