Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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OBID®
Welcome to RFID

OBID i-scan® HF

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

FEIG ELECTRONIC

OBID®
Welcome to RFID

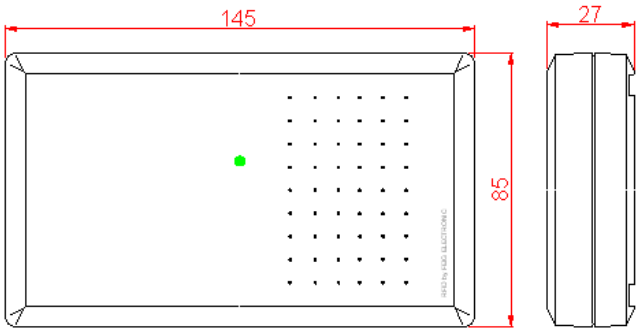
SHORT DESCRIPTION

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 (ISO 18000-3 MODE 1)*
Operation modes	ISO Host Mode, Scan Mode
Adress setting for interface	
- ID ISC.PR(M)101-A	Software (up to 254 adresses)
- 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

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