FEIG

ID PR101

HF PROXIMITY READER

- 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

HF Proximity Reader

The HF Proximity Reader ID 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 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 PR101 is able to read several transponders simultaneously. A switchable DC voltage at the antenna output can supply a LED inside a connected antenna.

Depending on the interface the ID 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.

HF PROXIMITY READER

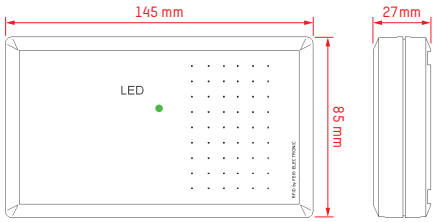
Proximity reader with maximum variability
due to different interfaces and form factors.

Technical data

Dimensions (w x h x d)	85 mm x 145 mm x 31 mm
Weight	200 g
Housing	Plastic ABS
Colour	similar RAL 9018 (Papyrus white)
Protection class	IP30
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	
ID PR(M)101-A	12 up to 24 V DC ± 15 %
ID PR101-USB	5 V DC (via USB)
Current consumption	max. 0.5 A
Power consumption	
ID PR(M)101-A	max. 5 VA
ID PR101-USB	max. 2.5 VA
Antenna	integrated
Read range	max. 18 cm
Interfaces	
ID PR(M)101-A	RS232 / RS485
ID PR101-USB	USB 2.0
Indicators, optical	1 LED (multicoloured)
Supported transponders	ISO 15693, (ISO 18000-3 MODE 1)*
Operation modes	ISO Host Mode, Scan Mode
Adress setting for interface	
ID PR(M)101-A	Software (up to 254 adresses))
ID PR101-USB	Device-ID of the reader
Temperature range	
Operation	-25 °C up to +60 °C
Storage	-25 °C up to +70 °C
Relative air humidity	5 % up to 95 % (non-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

ID PR101



Standard conformity

Radio license	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

Order descriptions

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

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