FEIG

ID PR103-USB / ID PRM103-USB

HF PROXIMITY READER

- Compact Multi-tag Reader for various applications
- High RF-Power and great read range
- Integrated antenna
- High magnetic field for small or detuned transponders
- DC power via USB interface
- Ideal for medical, industrial, logistical and library applications
- Compatible with the previous version ID PR101-USB

HF Proximity Reader

The HF Proximity Reader ID PR103 identifies transponders according to ISO 15693 with an operating frequency of 13.56 MHz. The reader offers an integrated antenna, realizes a maximum read range of 20 cm and is also suitable for small and detuned transponders.

The HF Proximity Reader ID PR103 can be used in fields of applications like library, medical, logistics and industry and is easy to integrate in existing systems.

With its anticollision function the ID PR103 is able to read several transponders simultaneously.

The reader is available in two variants.

ID PR103 is the housing variant for use at the desktop. The optional mounting kit offers additional variable mounting options. The robust plastic housing also allows for use in industrial environments.

ID PRM103 is the module version. Different mounting holes on the board allow installation within devices in an easy way.

Housing size, mounting options and interface are compatible with the previous version ID PR101-USB.

HF PROXIMITY READER

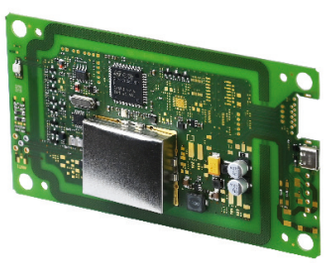
Proximity reader with maximum variability.

Technical data

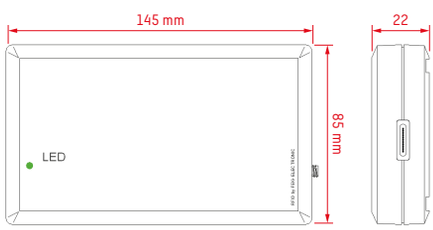
Dimensions (w x h x d)	
PR103	145 x 85 x 22 mm
PRM103	138 x 77 x 17 mm
Weight	
PR103	130 g
PRM103	50 g
Housing	Plastic ABS
Colour	
Housing	similar to RAL 9016 (traffic white)
Color front film	similar to RAL 9017 (traffic black)
Protection class	
PR103	IP 30
PRM103	non
Operating frequency	13.56 MHz
Transmitting power	0.6 W ± 2 dB
Supply voltage	5 V DC (via USB)
Current consumption	max. 0.5 A
Power consumption	max. 2.5 VA
Antenna	integrated
Read range	max. 20 cm
Interface	USB 2.0
Interface connector	USB-C
Indicators, optical	1 LED (multicolored)
Supported transponders	ISO 15693, (ISO 18000-3 MODE 1)* NXP ICode 1, NFC tag Type 5
Operation modes	ISO Host Mode, Scan Mode
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 PR103



ID PRM103



Standard conformity

Radio license	
Europe, UK	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 Description

ID PR103-USB	Housing Version with USB 2.0 interface
ID PRM103-USB	Module Version with USB 2.0 interface
ID MS.MR103/PR103-A	Mounting kit
ID CAB.USB-AC	USB interface cable, USB-A to USB-C
ID CAB.USB-CC	USB interface cable, USB-C to USB-C

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