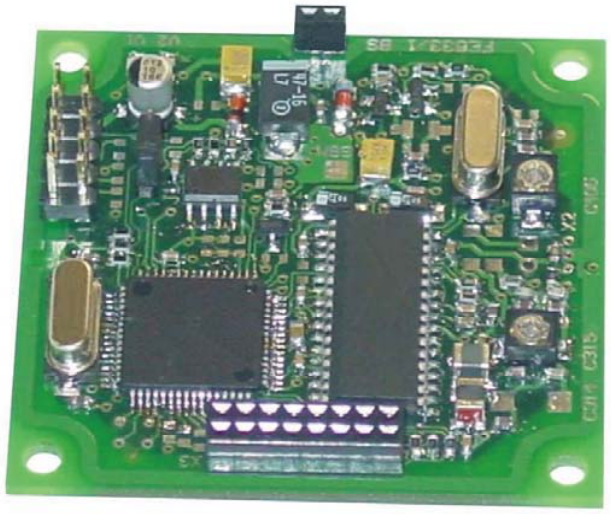
OBID®

classic-pro

Reader module
ID CPR.M02.VP/AB-B



Multitag-proximity reader module for identification of ISO 14443- and ISO 15693-transponders

Features:

- Anti-collision function
- Multi-tag reader for ISO-tags 14443-A, -B and 15693 (e.g.MIFARE, I•CODE, Tag-it, my-d, STM)
- supports the safety functions of well-known 13.56 Mhz transponders by attaching an appropriate SAM (Security Access Module)
- possible applications in the sector of access control due to data-/clock interface

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Short description and technical information

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Reader type ID CPR.M02.VP/AB-B is not only able to identify ISO 14443-, but also type ISO 15693-transponders.

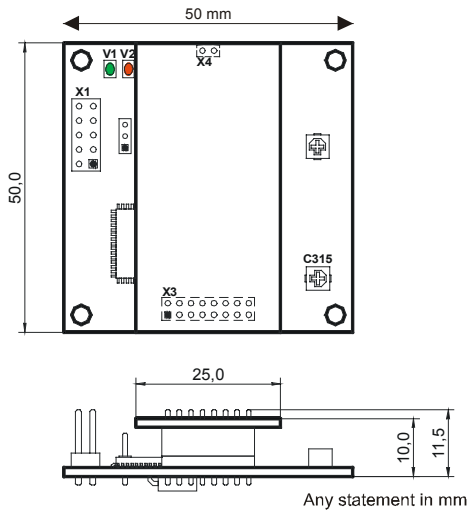
It is a multi tag reader with anti-collision function, which means that it is able to identify transponders of different manufacturers and ISO-types at the same time.

The reader supports the safety functions of various known 13.56 MHz-transponders, such as MIFARE or my-d, due to an attachable Security Access Module (plug-in terminals for this kind of interface are available), which makes it even suitable for problematic applications such as ticketing and accounting systems.

Apart from this, the data-/clock interface enables the reader to be used in access control systems.

The use of an ISO-host record guarantees a problem-free creation of user software as well as the module´s unlimited compatibility with all readers of the OBID i-*scan*® family.

Dimensions



Technische Daten

Dimensions (WxHxD)	50 x 50 x 14 mm
Connector plug	10-pol pin terminal (spacing = 2,54 mm)
Operating frequency	13.56 MHz
Power supply	5V DC +/- 5%
RF-transmitting power	250 mW +/- 2 dB
Power consumption	max. 1,5 W
Processable transponders	ISO 14443-A (e.g. MIFARE, MIFARE Ultra Light, my-proximity) ISO 14443-B ISO 15693 (e.g. I•CODE SLI, my-d vicinity,STM LRI512, Tag-it HF-I)
Processable security features	Refitting of SAM (Security Access Module) is possible for e.g. my-d vicinity and my-d proximity
Antenna	integrated -- 48 x 48 mm
Reading distance	10 cm* with ISO 15693-tags 4 cm* with ISO 14443-tags
Interfaces	1x RS232-TTL 1x Data-/clock-interface (Magnet card emulation and Wiegand emulation)
Signal generator	2 LED
Temperature range Operation Storage	 -20°C up to 70°C -40°C up to 85°C
EEPROM	1 kB (10.000 writing cycles)
FLASH	64 kB (Software-Update over interface possible)

Standard conformity

Radio license Europe USA	 EN 300 330 FCC 47 CFR Part 15
EMC	EN 301 489
Safety Europe	 EN 60950

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* Reading distances depend on the used labels; here made statements relate to an inlet size of 76x45 mm