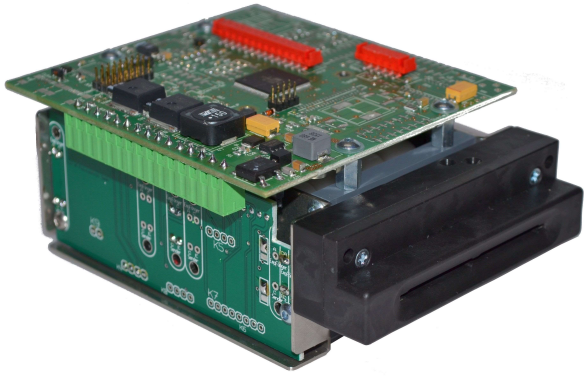
DATA SHEET

VF-FEINTECHNIK GmbH

Card reader „Robust“

Motorized card reader for cards in ISO format
Various reading techniques



Product description

The universal motorized card reader ROBUST can be equipped with all reading technologies for processing magnetic stripe, barcode and RFID cards. The robust mechanical design and the safe electronic control allow the use in almost all areas. Due to the spring-loaded card transport (optional) paper receipts (Leporello) can be handled. The card reader has all interfaces (RS232, RS485, Ethernet, USB, etc.) and can be used together with our card dispenser. In addition, barcode readers, RFID and invididual customer modules as well as external devices can be easily integrated.

Application

The card reader can be used for a wide range of applications, for example for POS terminals and vending machines, in gate and barrier systems, for authorization control and much more.

Product features

- For magnetic stripe, hybrid and RFID (all standards) cards according to ISO
- Integration of barcode reader possible
- Optional IO board with relays and optical inputs for controlling external devices.
- Power is transmitted from the gear motor and to card transport via toothed belts.
- Compact, robust und corrosion-resistant design and low weight for installation in any type of housing or terminal indoors and outdoors.
- The proven design guarantees a long service life and long maintenance intervals.
- Programming of your application possible.
- Shutter in all versions
- Further optional hardware: RTC, display, flash data memory, beeper / buzzer, interfaces (RS-422, USB, Ethernet TCP/IP), optional connections for additional devices via RS232

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Technical data

Card types	Magnetic stripe cards HiCo/LoCo, ISO 7810, 7811/1-5, 7812, 7813 ff. Cards acc. to ISO/IEC 14443A, ISO/IEC 14443B (Mifare), ISO/IEC 15693 and other Other card types on request
Card thickness	approx. 0,7 – 1,0 mm
Card speed	approx. 35 cm/Sek.
Interfaces	RS232, RS485 Optional: RS-422, USB, Ethernet TCP/IP
Motor	DC motor
Product lifespan (depending on environmental influences)	Magnetic head: approx. 1.000.000 cycles Transport mechanics: approx. 2.000.000 cycles (excluding wear and tear) Cycle = Transport of the card length in one direction
Power supply	12-24 VDC +/- 5%
Quiescent current	200 mA
Starting current card transport	480 mA
Anlaufstrom Kartentransport	2 A
Area of application	Indoor and outdoor (protected area)
Temperature range	-5°C to +70°C
Humidity	10% to 90% (no condensation)
Dimensions (without shutter or mouthpiece) (+/- 0,5 mm)	Width: 90 mm Height: 56,5 mm Lenght: 96 mm (with shutter 119 mm)
Weight (+/- 2 g)	310 g
Cleaning of transport rollers	Pure ethanol without additives

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Access control systems
Special constructions
Card readers
Card dispenser
Accessories

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