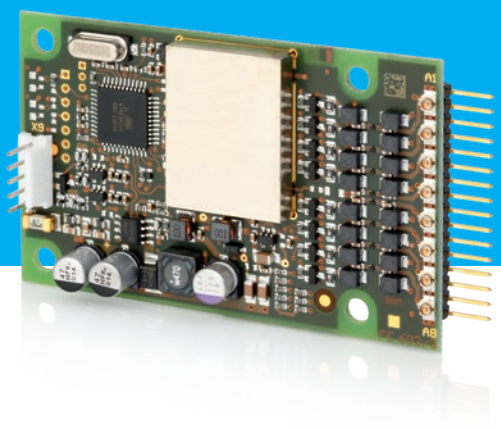
FEIG

ID M02.M8

HF PROXIMITY READER MODULE WITH INTEGRATED 8-TIMES MULTIPLEXER

- Integrated antenna multiplexer
- Connection of up to 8 external antennas
- Multi-tag reader for ISO 15693
- Anti-collision function
- RSSI data readout



Up to 8 external antennas

ID M02.M8-B is designed as a reader module for contactless data exchange with passive ISO 15693 transponders. It is suitable for all applications where short read ranges with only a small reader size are required, such as for integration into medical devices.

The module has an integrated antenna multiplexer for the connection of up to 8 external antennas.

The reader module also reads RSSI data for localization of identified transponders.

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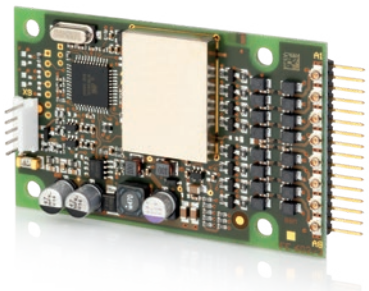
HF READER MODULE WITH INTEGRATED MULTIPLEXER

Integrated space savingly into machines and devices
up to 8 external antennas can be connected and operated.

Technical data

Dimensions (w x h x d)	87 mm x 50 mm x 14 mm
Weight	24 g
Connector	5-pin multipin plug type MTA 100 AMP
Operating frequency	13.56 MHz
Transmitting power	200 mW ± 1 dB
Supply voltage	24 V DC ± 10 %
Current consumption	max. 100 mA
Power consumption	max. 2 W
Antenna connection	up to 8 external antennas (50 Ω) (Connector: U.FL-R-SMT or Multipin)
Interface	RS232 – Level LVTTL (3.3 V)
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Reader mode	ISO Host Mode
EEPROM (for parameter)	1 kB (10,000 write cycles)
FLASH	64 kB (Firmware Update via interface possible)
Temperature range	
Operation	-20 °C up to +70 °C
Storage	-40 °C up to +85 °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 M02.M8

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	
Vibration	EN 60068-2-6	10 Hz up to 150 Hz: 0.075 mm / 1 g
Shock	EN 60068-2-27	Acceleration: 30 g

Order description

ID M02.M8-B	HF Reader Module

RFIDCanada
Automating Identification

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