



Advanced reader technologies

i-scan[®] HF

(13.56 MHz)

Mid Range Reader
ID ISC.MR200-WLAN



Multi-tag Mid Range Reader for identification of 13.56 MHz transponders in fields of application like retail, industry, logistics etc.

Features:

- RS232 & WLAN interface
- Power of up to 1,75 W enables reading distances of up to 70 cm
- Solid plastic housing (protection class IP 54)
- Multi-tag Reader (ISO 15693, ISO 18000-3, EPC)
- Anti-collision function
- FEIG ISO Host Mode, Buffered Read Mode and Scan Mode

Short description and technical data

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The reader ID ISC.MR200-WLAN is offered in a solid plastic housing with the protection class IP 54; for this reason it is protected against dust, dirt and splash water and can be used therefore out of doors.

Transmitting power of up to 1,75 watt enables reading ranges of up to 70 cm.

The reader has several i/o's as well as so-called antenna diagnosis function that indicates whether an antenna is not adjusted as required.

The reader has an RS232 and WLAN interface.



Technical data

Housing	ABS plastic with lockable hinged cover
Color	Light grey RAL 7035
Dimensions (LxWxH)	200 x 110 x 60 mm
Weight	450 g
Protection class	IP 54
Power supply	12 - 24 V DC +/- 5%
Power consumption	max. 13 VA
Operating frequency	13.56 MHz
Transmitting power	1 W / 1,75 W
Antenna connection	SMA socket (50 Ohm)
Outputs	
- 2 optocouplers	24 V DC / 30 mA (galvanically isolated)
- 1 relay	24 V DC / 2 A
Inputs	
- 2 optokouplers	max. 24 V DC / 20 mA
Interfaces	RS232 and WLAN (802.11b)
Operation modes	FEIG ISO Host Protocol, Buffered Read Mode (BRM), Scan Mode
Supported transponders	ISO 15693 and ISO 18000-3, EPC (optional)
FLASH	Software Update via interface possible
Signal generator	5 LED
Temperature range	
- operation	-20°C up to 60°C
- storage	-25°C up to 85°C
Vibration	EN60068-2-6 10 Hz - 150 Hz: 0,075 mm / 1g
Shock	EN60068-2-27 acceleration: 30 g

Standard conformity

RF approval	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	
- Low voltage	EN 60950
- Human Exposure	EN 50364

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