



i-scan[®]

Mid-range-reader
ID ISC.MR200-A/-E



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

Features:

- Ethernet-interface (version ID ISC.MR200-E)
- Power of up to 1,7 W enables reading distances of up to 70 cm
- BRM-function: Data filtering and -buffering
- Aluminium housing (protection class IP 54)
- Multi-tag-reader (ISO 15693, ISO 18000-3, EPC)
- Anti-collision funktion

Short description and technical data**Short description**

The reader ID ISC.MR200-A/-E is offered in an aluminium housing with the protection class IP 54; for this reason it is protected against dust, dirt and syringe water and can be used therefore in the industrial background.

Transmitting power of up to 1,7 watt enables reading ranges of up to 70 cm. The ID ISC.MR200-A/-E offers a so-called BRM-function. BRM stands for "Buffered Read Mode" (data filtering and buffering) and guarantees, that the data of already selected transponders are stored between in the reader and will be read only once.

This benefit especially exists in applications with bulk recognition (anti-collision): in this case the transmission speed of the data is increased enormously, because always only new selected transponders will be read.

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

The reader version ID ISC.MR200-A has the serial interfaces RS232 and RS485 which can be adjusted by the software.

The version ID ISC.MR200-E has an Ethernet-interface 10Base-T or 100Base-TX.

**Technical data**

Housing	Aluminium
Colour	RAL 7040
Dimensions (LxWxH)	200 x 110 x 60 mm
Protection class	IP 54
Power supply	12 - 24 V DC
Power consumption	max. 12 VA
Operating frequency	13.56 MHz
Transmitting power	1,7 W
Antenna connection	SMA-plug (50 Ohm)
Outputs	
- 2 optocouplers	24 V DC / 30 mA
- 1 relay	24 V DC / 2 A
Inputs	
- 2 optocouplers	max. 24 V DC / 20 mA
Interfaces	
- version -A	RS232 and RS485 (adjustable)
- version -E	Ethernet 10Base-T or 100 Base-TX
Operation modes	
- version -A	FEIG ISO Host Protokoll
- version -E	as -A, Scan-Mode, BRM-Mode
Processable transponders	I-CODE 1, ISO 15693, EPC
Adress control for interface	Software (up to 254 addresses;only RS485)
Signal generator	5 LED
Temperature range	
- operation	-20°C up to 60°C
- storage	-25°C up to 85°C
Vibration	IEC-68-2-6/FC 10 Hz - 150 Hz: 0,075 mm / 1g
Shock	IEC-68-2-27/Ea acceleration: 30 g

Standard conformity

Radio license	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
EMV	EN 301 489
Safety	EN 60950
- Human Exposure	EN 50364

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