

OBID i-scan[®] HF

HF Mid Range Reader ID ISC.MR200-A/-E



FEATURES

- LAN interface (version ID ISC.MR200-E)
- Transmitting power of up to 1.75 W enables read ranges of up to 70 cm
- Aluminium housing (protection class IP 54)
- Anti-collision function
- 4 different operation modes



SHORT DESCRIPTION

ID ISC.MR200-A/-E is designed for contactless data exchange with common passive ISO 15693 transponders. Due to its metal housing (IP54) the reader is suitable for industrial applications especially.

Transmitting power of up to 1.75 W enables read ranges of up to 70 cm.

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 offers a RS232 and a LAN interface.

TECHNICAL DATA

Dimensions (W x H x D)	200 mm x 110 mm x 60 mm
Weight	1.000 g
Housing	Die-case aluminium, powder coated, lockable hinged cover
Protection class	IP 54
Color	RAL 7040
Operating frequency	13.56 MHz
Transmitting power	1 W / 1.75 W ± 1 dB
Degree of modulation	20% +/- 5% absolute
Supply voltage	12...24 V DC +/- 5%
Power consumption	maximum 13 VA
Antenna connection	1 x SMA socket (50 Ω)
Outputs	
- 2 optokouplers	24 V DC / 30 mA
- 1 relay (changeover contact)	24 V DC / 2 A
Inputs	
- 2 optokouplers	maximum 24 V DC / 20 mA
Interfaces	
- ID ISC.MR200-A	RS232 and RS485
- ID ISC.MR200-E	RS232 and LAN (802.3)
Signal generator, optical	5 LED
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Protocol modes	ISO Host Mode, Scan Mode, Notification Mode, Buffered Read Mode (BRM)
Others	short-circuit detection temperature monitoring
Temperature range	
Operation	-20 °C up to 60 °C
Storage	-25 °C up to 85 °C
Relative humidity	5...95 % (not 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

STANDARD CONFORMITY

Radio licence	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Low Voltage	EN 60950
Human Exposure	EN 50364
Vibration	EN 60068-2-6 10...150 Hz: 0,075 mm / 1 g
Shock	EN 60068-2-27 acceleration: 30 g

ORDER DESCRIPTIONS

ID ISC.MR200-A	HF Mid Range Reader (RS232/485)
ID ISC.MR200-E	HF Mid Range Reader (LAN)

Accessories:

ID ISC.FW.HF.MR200-UID/OTP Firmware License

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
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