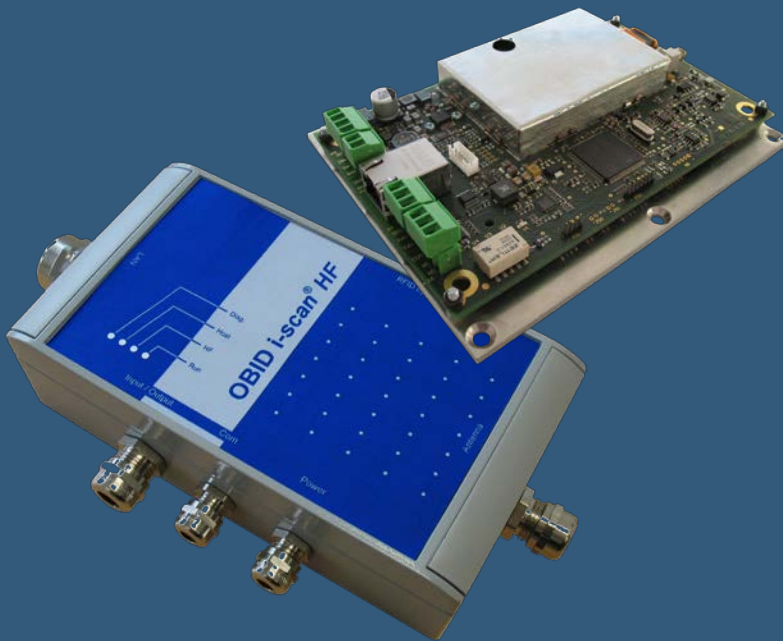


HF Long Range Reader ID ISC.LR(M)1002-E

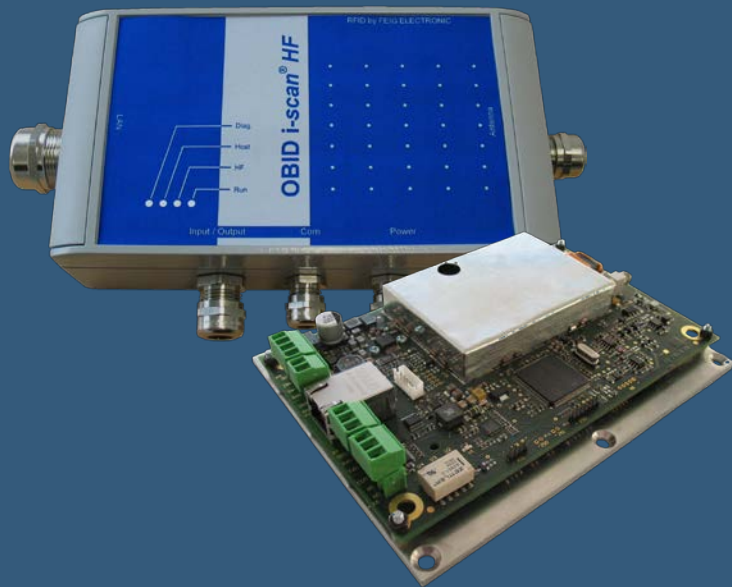


FEATURES

- Powerful reader for a wide range of applications
- Ideal for retail, industry and logistics
- Optimal cost-performance ratio
- Adjustable output power
- Available as module or housing version
- Different interfaces: Ethernet, USB, RS232
- 1 Output / 1 Input
- 4 different reader modes
- International certifications



ID ISC.LR(M)1002-E



DESCRIPTION

The HF Long Range Reader ID ISC.LR(M)1002-E identifies transponders according to ISO 15693 and HF Gen 2 with an operating frequency of 13,56 MHz. The combination of powerful device and low price leads to an optimal cost-performance ratio.

The ID ISC.LR(M)1002-E is suitable to be used in fields of applications like retail, industry and logistics with a small and medium number of tags inside the reading area. The reader is designed for applications where the output power of mid range reader is insufficient. Examples are conveyor belts, sorting systems and production lines.

The reader ID ISC.LR(M)1002-E is licensed according to ETSI, FCC and IC and is characterized by the following features:

- 4 different reader modes for various applications
- Receiver sensitivity provides an enlarged and at the same time homogeneous tag detection range
- Transmitter architecture with resistance against incorrect cable length and disturbed power supply
- Integrated diagnostic possibilities e.g. for detection of antenna mismatching
- Various configuration options for software and hardware
- Supply e.g. of connected indicators directly over the antenna cable

TECHNICAL DATA

Description	ID ISC.LRM1002-E	ID ISC.LR1002-E
Dimensions (W x H x D)	160 x 120 x 35 mm ³	255 x 135 x 65 mm ³
Housing	-	Aluminium
Colour	-	Grey
Weight	0,35 kg	1,1 kg
Protection	-	IP 54

Temperature range

Operation -25 °C up to 55 °C

Storage -25 °C up to 85 °C

Relative humidity 5...80 % (non-condensing)

Power supply 24 V DC ± 15 %

Power consumption max. 16 W

Operating frequency 13,56 MHz

Transmitting power 1 W – 5 W (adjustable)

Antenna connector 1 x SMA connector (50 Ω)

Supply voltage at antenna connector 6,5 V DC (max. 20 mA)

Output 1 Relay (24 V, 1 A)

Input 1 Optocoupler (24 V DC)

Interfaces Ethernet (TCP/IP), USB, RS232

Indicators, optical 4 LEDs for diagnosis

Supported transponder ISO 18000-3 MODE 1* & MODE 3 (ISO 15693 & HF Gen 2)

Reader modes ISO Host Mode, Scan Mode,

Buffered Read Mode,

Notification Mode

Others Anticollision function

RSSI

* 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 license

Europe EN 300 330

USA FCC 47 CFR Part 15

Canada IC RSS-GEN, RSS-210

EMC EN 301 489

Safety

Electrical safety EN 60950

Human Exposure EN 50364

Vibration EN 60068-2-6

10...150 Hz: 0,075 mm / 1 g

Shock resistance EN 60068-2-27

Acceleration: 30 g

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Stand of information: November 2016.