

# HFS E-Signreader

The RFID reader HFS E-Sign is a reader for 13.56 MHz transponders according to ISO standard 15693. Due to the small design, the E-Sign reader is ideal for direct operation at the reading point. This reader is also a practical, effective and extremely inexpensive alternative for quickly and easily adding RFID capability to PCs. The reader is available in RS232 and USB versions. A driver for the USB variant is offered for all common operating systems.

## Technology

RFID HF frequency 13.56 MHz (ISO15693)

## Components

- » Rugged POM housing
- » Integrated antenna
- » 3 user LEDs, 1 RGB LED on the side

## Functions

- » Adjustable polling mode
- » Status display via LEDs

## Features

- » Transponder identifiable according to ISO15693
- » Application also in metallic environment
- » User-friendly due to easy handling
- » Problem-free integration into existing processes

## The highlights

### Compact housing

Compact design allows operation as a desktop reader or direct mounting at the reading point.

### Integrated antenna

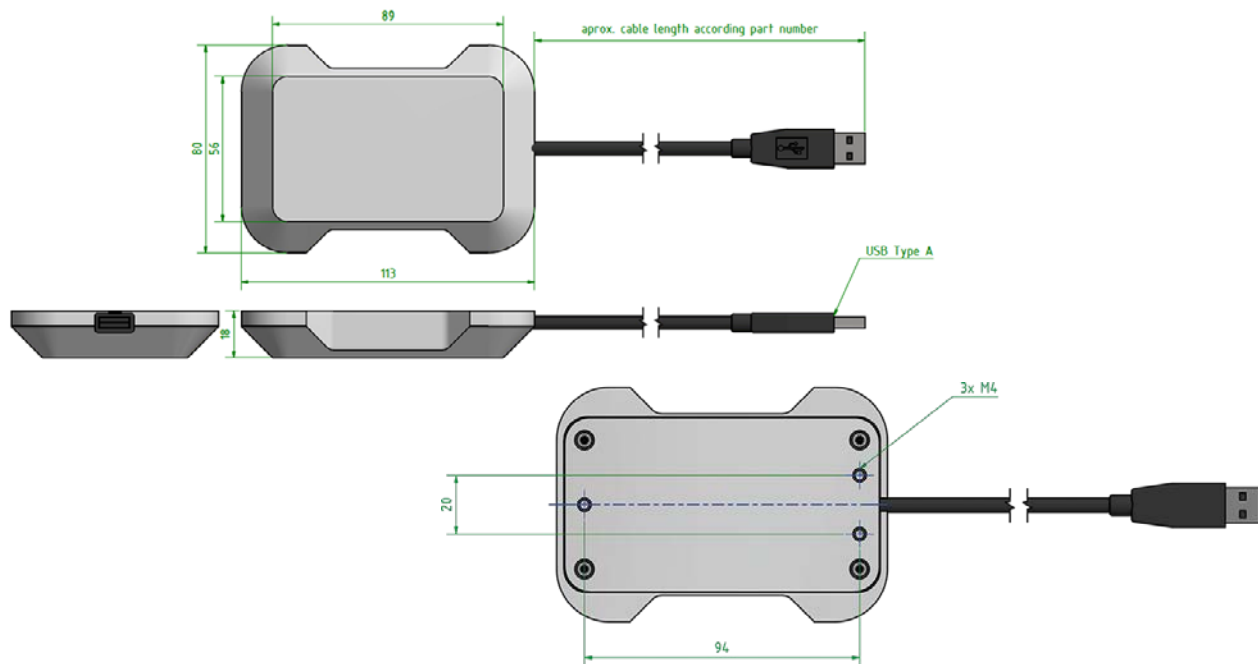
The reader is already equipped with an integrated antenna.

### Simple process integration

Easy integration of the RFID solution into existing processes

### Customer-specific adaptations

Customer-specific functionalities can be implementable



| Part number            | Description |             |        |
|------------------------|-------------|-------------|--------|
|                        | Housing     | Plug type   | Length |
| HRF.R.HFS.0I.XR.E0.10A | RS232       | ASCII, SECS | 1,0 m  |
| HRF.R.HFS.0I.XU.E0.30A | USB         | ASCII, SECS | 3,0 m  |
| HRF.R.HFS.0I.XU.E0.50A | USB         | ASCII, SECS | 5,0 m  |

(Further variants and customer-specific configurations available on request)

## Technical data

**Interface:** RS232, USB  
**Protocols:** ASCII, SECS  
**Connection:** USB variable cable length up to 3m  
**antenna:** frame antenna, internal  
**Frequency:** 13,56 MHz , ISO 15693  
**transmit power:** 200 mW  
**dimensions:** 113 x 80 x 18 mm  
**weight:** 150 g

**Housing material:** POM  
**Protection class:** IP20  
**Operating temperature:** -10 °C to 50 °C  
**Storage temperature:** -40 °C to 85 °C  
**Permissible humidity:** at 50°C 25% to 80%  
**Current consumption:** 80 mA / 300 mA (passive/active)  
**Voltage:** 5 V (+/- 5%)  
**Conformity:** CE, RoHS, REACH

