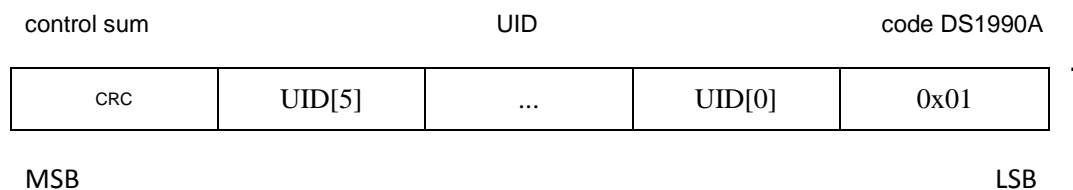


Reader **1W-H0-05K M12** is a reader dedicated for contactless read-out of identification data (UID) from transponders (cards, keyrings, etc.) compatible with ISO/IEC14443-3-A (for example MIFARE CARDS) . The device has a built-in bicolour LED for multipurpose adaptation.

The read-out UID data are sent through 1-wire bus, emulating Maxim (Dallas) 1990A iButton. In case of transponders with UID longer than 4 bytes, the oldest 2 bytes UID[4] and UID[5] are sent as 0x00 (zero). Whereas for UID with length of 7 or 10 bytes are truncated to the 6 least significant UID bytes.



The bicolour LED diode with series resistors 220R has cathodes connected with minus of a power supply wire. The diode activity occurs after connecting LED anode to the plus, for example the power supply.

Technical data:

- | | | |
|----|-------------------------------------|-----------------------------------------------------------------------------------------|
| 1. | Supply voltages | 5V-16V DC |
| 2. | Average reciver current | 15mA (without LED) |
| 3. | Maximum reciver current | 45mA (without LED) |
| 4. | Max Green LED current | 10mA |
| 5. | Max Red LED current | 10mA |
| 6. | Frequency | 13.56 MHz |
| 7. | Transponder type | ISO/IEC14443-3-A |
| 8. | Reading distance | ~ 4cm |
| 9. | Read-out frequency of a transponder | 6/s for indentification
2/s if a transponder
remains within the
reading range. |

10. Colour scheme:

- yellow power supply (+)
- gray power supply (-)
- white 1-Wire
- green anode LED green
- brown anode LED red