

## HF Long Range Reader SHL-2300



- 13.56 MHz RFID reader/writer for long range applications
- reading distance up to 120 cm (ISO-card size)
- anti-collision
- EAS Function (electronic article surveillance)
- optional antenna multiplexer for multiplexing of up to 4 antennas
- CE

### Technical Data:

|                          |                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions: (l x w x h ) | (420 x 200 x 120) mm                                                                                                                                                                                                                                                                                                            |
| Power supply:            | 100 V - 240 V AC / 30 VA                                                                                                                                                                                                                                                                                                        |
| Power consumption:       | typ. 20W                                                                                                                                                                                                                                                                                                                        |
| Transmit frequency:      | 13.56 MHz                                                                                                                                                                                                                                                                                                                       |
| Antenna:                 | BNC-Connector                                                                                                                                                                                                                                                                                                                   |
| Output Power:            | 4.5W @ 50 Ohm                                                                                                                                                                                                                                                                                                                   |
| Transponders:            | ISO 15693, ISO 18000-3, ISO 18000-3 Mode3<br>ICODE 1, ICODE EPC , ICODE UID, ICODE ILT<br>VarioSens: ISO 15693 + Custom Commands<br>ICODE SLI(-S/-L): ISO 15693 + Custom Commands<br>EM 4034, 4035, 4135: ISO 15693 + Custom Commands<br>Infineon My-D: ISO 15693 + Custom Commands<br>Tag-it HF-I: ISO 15693 + Custom Commands |
| Interface:               | RS232<br>USB 2.0<br>Ethernet                                                                                                                                                                                                                                                                                                    |
| Housing:                 | Metal / IP65                                                                                                                                                                                                                                                                                                                    |
| Operating temperature:   | -10 to +60°C                                                                                                                                                                                                                                                                                                                    |

### Order Information:

|               |                     |
|---------------|---------------------|
| SHL-2300      | Order-No.: 230.2300 |
| SHL-2300-MUX4 | Order-No.: 230.2304 |

**Options:**

Option Hardware FIFO Memory      Order-No.: 230.2240

Option RTC      Order-No.: 230.2221

Option High-Power-Relais-SHL-2300      Order-No.: 230.2320

**Comparision SHL-2100 / SHL-2300**

|                                          | <b>SHL-2100</b>             | <b>SHL-2300</b>                       |
|------------------------------------------|-----------------------------|---------------------------------------|
| Housing                                  | IP65                        |                                       |
| Dimensions: (l x w x h )                 | (420 x 200 x 120) mm        |                                       |
| Operating temperature                    | 0 to 50°C                   | -10 to 60°C                           |
| Power consumption:<br>continuous carrier | typ. 39W                    | typ. 17W                              |
| RTC                                      | Standard                    | Option                                |
| Inputs                                   | 2 [typ. 24V/23mA ]          | 2 [9V to 30V]                         |
| Outputs                                  | --                          | 2 [AC/DC max. 1A/500mW/30V]           |
| Mechanical Relais                        | 1 [max. 1A/30W]             | --                                    |
| Digital Output (Open Collector)          | 8 [DC max. 100mA/300mW/45V] | --                                    |
|                                          |                             | In/Outputs are compatible to SIL-2125 |
| Max. output power                        | typ. 4,2W @ 50 Ohm          | typ. 4,5W @ 50 Ohm                    |
| Typical Read Range                       |                             | comparable to SHL-2100                |