

Connects with practically anything.



Benefits

- **Direct system connectivity**
- **External read test possible**
- **Various housing types**
- **Functional design**
- **Industrial-proven EMC safe-covered**

This RFID read/write device operates in the lower frequency range of 134.2 kHz. The serial interface is able to connect to practically any type of production equipment.

This LF reader enables secure, fast identification of products and production lots. The reader chip works in the 134.2 kHz frequency and provides a write and read function for conventional LF transponders. A special feature: the external test button also allows a function test without software.

An ideal area of application is production equipment featuring only one or very few identification positions (e.g. Loadport). Communication with a superordinate system takes place via various protocol variations. More about this is available in the technical description.

LF-134-SER

Designation	LF-134-SER-P	LF-134-SER-M
Version	LF-134-SER with plastic case; aluminium-metallized inside	LF-134-SER with metal case; particularly suitable for production environments with high electromagnetic interference
Dimensions	120 x 90 x 50 mm	97 x 90 x 39 mm (without base plate) 117 x 90 x 44 mm (with base plate)
Weight	235 g	255 g (without base plate)
Case	ABS (Acrylonitrile Butadiene Styrene)	Case: tin plate Base plate: POM
Operating temperature	0°C to +50°C	
Storage temperature	-25°C to +50°C	
Voltage power supply (typical)	24 V +/- 3%	
Power consumption	Reading 132 mA / idle mode 25 mA	
Antenna	LF antenna (see accessories)	
RFID frequency	134.2 kHz	
Readable transponder types	ISO 11784/785 HDX/FSK (e.g. RW, RO, SAMPT, MPT, Tiris RI-TRP-DR2B)	
Communication protocols	SEMI E99, ASCII, SECS	
MTBF	≥ 40,000 h	
MCBF	≥ 1,000,000 reading cycles	
Reading time one page	Average 110 msec	

Accessories

Antenna

- ANT-08-65E
- ANT-04-35E
- ANT-10-100E
- Angle plug

Cable

- OEM-POW
- OEM-POW-OPEN
- OEM-POW-M
- CABLE-SER

For more information please see data sheet "Accessories".

