



LF-134-SER

Connects with
practically anything.



Key Features

- Standard RS232 interface
- Button triggered read test*
- Two housing versions
- Functional design
- Industrially proven

* for plastic model only

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 the secure and fast identification of products and production batches. It provides read and write functionality for conventional 134.2 kHz RFID transponders. To facilitate evaluation and setup, an integrated test button allows manual read range tests without an RS232 connection.

An ideal area of application is production equipment featuring only one or very few identification positions (e.g. loadport).

Different communication protocols are available to enable integration with the host system. Please see our datasheets and user manuals for further information.

Technical data

Designation	LF-134-SER-P	LF-134-SER-M
Version	Serial LF Reader with plastic case and external test button for autonomous read function tests without software.	Serial LF Reader with fully shielded tinfoil metal case for rough electromagnetic environment.
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)	Housing: tinfoil Base plate: POM (Polyoxymethylen)
Operating temperature	0°C to +50°C	
Storage temperature	-25°C to +50°C	
Voltage power supply	24 V/DC ±3%	
Power consumption	Reading 3.2 W (132 mA), idle mode 0.6 W (25 mA)	
Antenna	Designed for external 48µH ±3% ferrite or air-coil antenna (see „Accessories“)	
RFID frequency	134.2 kHz	
Readable transponder types	ISO 11784/785 HDX/FSK (e.g. RW, RO, SAMPT, MPT, TIRIS compatible transponders)	
Communication protocols	ASCII-L /-H /-A, SECS (SEMI E99)	
MTBF	≥ 40,000 h	
MCBF	≥ 1,000,000 reading cycles	
Reading time one page	Average 110 msec	
Permanent reading	30 minutes maximum at 14 cycles/s, after that 30mins cool down time necessary	
RS-232 interface speed	9600 bit/s , ASCII-H/-A vers. up to 57600 bit/s	
Connectors	24 V/DC (Binder Series 712-2p) Antenna (Binder Series 712-3p) RS-232 (DSUB-9 female)	

Options

Case	Product code	Test Button
Plastic	RFID-RD-LF134-SER-P-V4.0	●
Metal	RFID-RD-LF134-SER-M-V4.0	○



Accessories

Talk to our sales team for compatible antennas and accessories.

For detailed information please ask for the technical data sheet.



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