The master of networking & connectivity.

Benefits

- **Compact design**
- **Network-compatible**
- **Various housing types**
- **Various connection options like:**
  - **Sensors**
  - **Switches**
  - **LEDs**
  - **Display**
- **Optionally available with adjustable RF power**

This RFID read/write device works in the lower frequency range (either 125 kHz or 134.2 kHz). The integrated CAN bus interface enables simple networking between multiple devices.

LF readers developed by Ortner provide secure and quick identification of products and production lots. The device is able to read and write any conventional LF transponder. Two inputs and outputs allow sensors, switches, and LEDs to be connected directly.

Every LF-CAN reader has a daisy chain CAN IN/OUT interface for connection of multiple reading devices in a bus structure. Communication with a superordinate system takes place via a CAN controller. This model is therefore also suitable above all for systems featuring multiple identification articles (e.g. in warehouse systems).

LF-125-CAN/LF-134-CAN

Designation	LF-125-CAN-P LF-134-CAN-P	LF-125-CAN-M LF-134-CAN-M
Version	Network RFID reader with plastic case	Network RFID reader with metal case; particularly suitable for production environments with high electromagnetic interference
Dimensions	126 x 69 x 25 mm	130 x 80 x 30 mm (without base plate) 150 x 80 x 35 mm (with base plate)
Weight	150 g	273 g (with 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 (LF-134-CAN-P/M-0)	Reading 210 mA / idle mode 55 mA (without any connected accessories)	
Antenna	LF antenna (see accessories)	
RFID frequency	125 kHz / 134.2 kHz	
Readable transponder types	125 kHz: ISO 18000-2 (e.g. EM4102, EM4350, HITAG S, HITAG 2 public mode A & B, Sokymat 125 kHz) 134.2 kHz: ISO 11784 / 785 HDX/FSK (e.g. RW, RO, SAMPT, MPT, Tiris RI-TRP-DR2B)	
MTBF	≥ 40,000 h	
MCBF	≥ 1,000,000 reading cycles	
Reading time one page	Average 110 msec	
Speed of CAN bus	Adjustable up to 1 MBit/sec, typical 100 kBit/sec	

Accessories

Antenna
- ☐ **ANT-08-65E**
- ☐ **ANT-04-35E**
- ☐ **ANT-10-100E**
- ☐ **Angle plug**

Cable
- ☐ **CABLE-CAN-SER**
- ☐ **CABLE-ETH**
- ☐ **CAN-Terminator**

Display
- ☐ **Dot graphic VF display**

Controller
- ☐ **CAN2Web Advanced**
- ☐ **CAN-Controller**

For more information please see data sheet "Accessories".

Options

Case	Product code	Features	
Plastic	LF-125-CAN-P-0 LF-134-CAN-P-0	internal sensor	○
		internal antenna	○
	LF-125-CAN-P-I LF-134-CAN-P-I	internal sensor	○
		internal antenna	●
	LF-125-CAN-P-S LF-134-CAN-P-S	internal sensor	●
		internal antenna	○
	LF-125-CAN-P-IS LF-134-CAN-P-IS	internal sensor	●
		internal antenna	●
	LF-125-CAN-P-ISr LF-134-CAN-P-ISr	internal sensor (rear)	●
		internal antenna	●
Metal	LF-125-CAN-M-0 LF-134-CAN-M-0	internal sensor	○
		internal antenna	○
	LF-125-CAN-M-A LF-134-CAN-M-A	adjustable RF power / reading range via software	

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