

Data sheet
V900-021-008 Reading unit locate | LF | Plug and socket installation
power supply unit



Description

The reading unit forms an electromagnetic locating field with an LF antenna. The oscillating circuit consisting of the LF antenna and the capacities of the LF module oscillates at 125 kHz. LF stands for low frequency. The reading unit has the function of waking up transponders that move into the locating field formed by the LF module. After pressing the button, the transponder sends its own ID (tag ID) and the ID of the locating field (LF ID) to a receiving unit (HF module).

The detection range can be set up to 2.5 m in radius. The detection of the locate fields is used to display the positions of the transponders on the site plan of the SCC5.0 software. The more locate units are placed, the more accurate the location in the building after an emergency call has been triggered.

Unlike other reader units, the locate reader unit has no automatic field regulation.

The reader unit is installed in a housing and a plug-in power supply unit and a power supply unit for installation in a socket are included in the delivery.

Secure three-dimensional detection of transponders as well as simultaneous detection of several transponders in the detection field. Battery monitoring of the transponders in the detection field is always carried out: the transponder signals when the battery capacity falls below 10%.

Data table

Dimensions PCB LF (WxHxD)	80 x 100 x 17 mm
Radio frequency	125 kHz detection field, 868 MHz communication frequency
Power supply	12-26 V (DC)
Current consumption at 12V DC	100 mA to 200 mA (depending on the range setting)
Current consumption at 24V DC	50 mA to 100 mA (depending on the range setting)
Weight	72g
Connections	Connection LF antenna
	HF antenna connection socket (optional)
	2 x optocoupler input
Housing dimensions (WxHxD)	230 x 143 x 34.5 mm
Total weight	454 g
Degree of protection	IP 42 - not suitable for outdoor installation
Housing colour	RAL 9010 white (OEM version); RAL 7016 anthracite
Material	ABS PA 765
Cable inlets	Several predetermined breaking points for cable inlets available

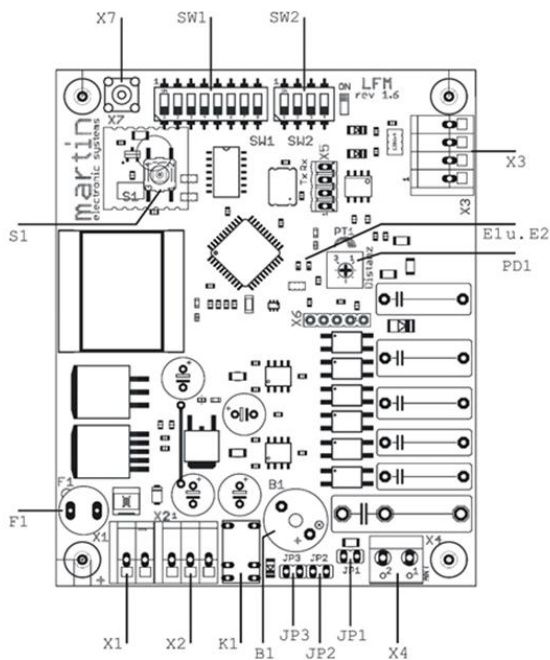


Figure 1 Sketch LF board



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Figure 2 Sketch housing front view

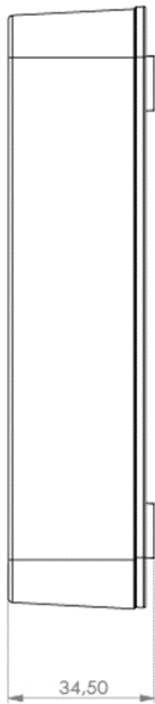


Figure 3 Sketch housing side view

Martin Elektrotechnik GmbH hereby declares that the article V900-021-008 is in conformity with Directives 2014/53/EU, 2014/35/EU, 2014/30/EU. The full text of the EU Declaration of Conformity is available at the following website: <https://martin-elektrotechnik.freshdesk.com/support/solutions>

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