



RFID Division

Hardware | Reader  
**RFID Reader**  
**LF60C Series**

SoliD RFID Reader

134.2 kHz



Ready  
for  
RFID ?

\* Radio Frequency IDentification

- Test mode
- Various antennas available
- Ethernet and/or RS232



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# Hardware | Reader RFID Reader LF60C Series

SoliD RFID Reader

134.2 kHz

RFID stands for contactless identification of objects being tracked, without line-of-sight being required. Data can be transmitted between a data carrier (transponder) and the RFID reader through various materials, such as paper, plastic or glass. Reading is not affected by dust and dirt, which means that RFID systems can also be used in harsh environments.

Highly reliable and cost efficient, the LF60C SoliD RFID reader is also designed for small-scale auto-ID solutions in industry. It is particularly suitable for tough environments requiring read ranges of up to 20 cm.

The device communicates with passive TIRIS® transponders at an LF frequency of 134.2 kHz.

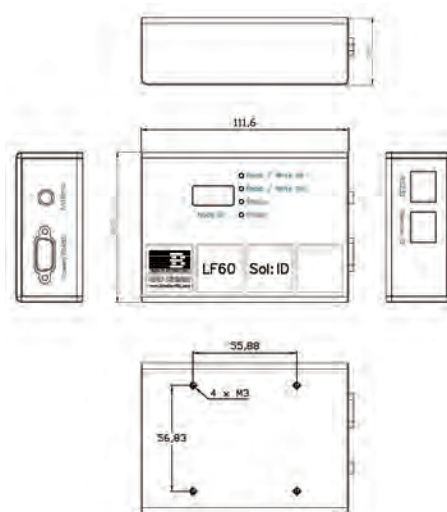
Captured data are sent via a serial interface (RS232) to the higher-level system.

A DIP switch allows the reader to be run in a test mode in which read/write ranges can be easily checked on site without a PC being needed.

Operating status is indicated by four integrated LEDs. A new antenna monitoring function has been added - if an antenna cable is faulty or disconnected, the device issues a warning.

An extra digital input/output socket allows external sensors to be connected using an RJ-45 jack. An LED for showing the operating or read status, or a sensor for triggering the read cycle can also be connected.

Four different standard antennas with SMA connectors and with cable lengths of up to 5 m are available.



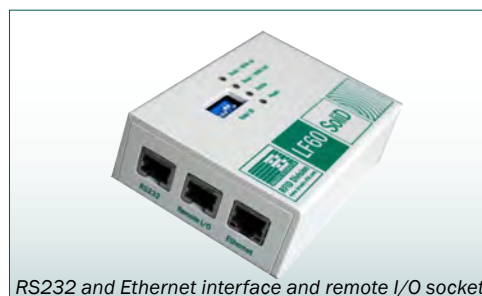
SoliD RFID reader dimensions

### Technical data

Operating temperature	0°C to 50°C
Storage temperature	-20°C to 70°C
Permissible humidity	25% to 80% at 50°C
Frequency	134.2 kHz
Protection class	IP40
Housing	PS
Weight	Approx. 180 g
TR5 fuse	375 mA (Nano2)
RS232 serial interface	4,800 - 57,600 Baud
Current (passive mode)	60 mA
Current (active mode)	80 mA
Voltage	18 - 30 V DC



Power and antenna sockets



RS232 and Ethernet interface and remote I/O socket

### RFID Sales

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### Article number Interfaces

TLS-12M-7000-T1-00E1 RS232

TLS-22M-7000-T1-00E1 RS232/Ethernet