



**Part no.: 50040500**  
**RFI 32 L 120**  
**RFID read device**



Figure can vary

## Contents

- . Technical data
- . Dimensioned drawings
- . Electrical connection
- . Operation and display
- . Notes
- . Accessories

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## Technical data

<b>Basic data</b>	
Series	RFI
Working frequency	0.125 MHz
<b>Functions</b>	
Functions	Configurable operating modes I/O LED indicator Reading gate control
<b>Read data</b>	
Transponder, readable	EM4102
<b>Optical data</b>	
Reading distance	80 mm
<b>Electrical data</b>	
<b>Performance data</b>	
Supply voltage $U_B$	12 ... 30 V , DC
Power consumption, max.	0.5 W
Memory access	Read only
Transmission speed	4,000 Bd
<b>Inputs</b>	
Number of digital switching inputs	1 Piece(s)
<b>Outputs</b>	
Number of digital switching outputs	1 Piece(s)
<b>Interface</b>	
Type	RS 232
<b>RS 232</b>	
Function	Process
Transmission speed	9,600 Bd
Data format	Fixed
Start bit	1
Data bit	8 data bits
Stop bit	1 stop bit
Parity	None
Transmission protocol	<STX><data><CR><LF>
<b>Connection</b>	
Number of connections	1 Piece(s)
<b>Connection 1</b>	
Type of connection	Cable with socket connectors (10+6)
Function	Data interface Signal IN Signal OUT Voltage supply
Cable length	1,000 mm



## Electrical connection

Connection 1	
Type of connection	Cable with socket connectors (10+6)
Function	Data interface Signal IN Signal OUT Voltage supply
Cable length	1,000 mm

Pin	Pin assignment	Conductor color
1	n.c.	White-brown
2	n.c.	White-red
3	n.c.	White-orange
4	n.c.	White-yellow
5	n.c.	White-green
6	SWOUT 1	White-black
7	GND	Brown
8	n.c.	Red
9	n.c.	Orange
10	RxD	Yellow
11	TxD	Green
12	n.c.	Blue
13	SWIN 1	Violet
14	VIN	Gray
15	GNDIN	White
16	Shield	Shield

## Operation and display

### LEDs

LED	Display	Meaning
1	Yellow, continuous light	Operational readiness
2	Green, continuous light	Reading successful
3	Red, continuous light	Device error

## Notes


Observe intended use!
<ul style="list-style-type: none"> <li>This product is not a safety sensor and is not intended as personnel protection.</li> <li>The product may only be put into operation by competent persons.</li> <li>Only use the product in accordance with its intended use.</li> </ul>

- Under certain circumstances, metal in the reading field reduces the operating range considerably.

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## Accessories

### Connection technology - Connection unit

	Part no.	Designation	Article	Description
	50031256	MA 2	Connection unit	Interface: RS 232, RS 485 Connections: 3 Piece(s) Degree of protection: IP 54

#### Note

A list with all available accessories can be found on the Leuze electronic website in the Download tab of the article detailed page.