



**Part no.: 50040497**  
**RFM 12 SL 200**  
**RFID read/write device**



Figure can vary

## Contents

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- Dimensioned drawings
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- Operation and display
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## Technical data

<b>Basic data</b>	
Series	RFM
Working frequency	13.56 MHz
<b>Functions</b>	
Functions	Reading gate control I/O Configurable operating modes
<b>Read data</b>	
Reading/writing range, max.	45 mm
Transponder, readable	ICodeSLI TagIT HF1 Infineon MyD
<b>Electrical data</b>	
<b>Performance data</b>	
Supply voltage $U_B$	12 ... 30 V, DC
Power consumption, max.	1 W
Memory access	Read/Write
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
<b>Connection</b>	
Number of connections	1 Piece(s)
<b>Connection 1</b>	
Type of connection	Cable with socket connectors (10+6)
Function	Voltage supply Signal OUT Signal IN Data interface
Cable length	1,000 mm
<b>Mechanical data</b>	
Design	Cylindrical
Thread size	M30
Dimension	98 mm
Housing material	Plastic Metal
Net weight	271 g
Housing color	Silver Black
Type of fastening	Mounting thread

**Environmental data**

Ambient temperature, operation	-25 ... 65 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	5 ... 90 %

**Certifications**

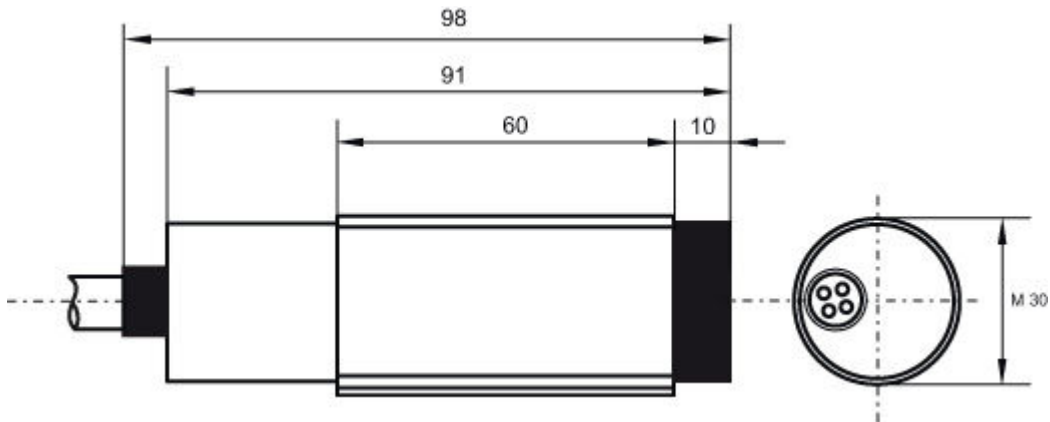
Degree of protection	IP 67
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**Classification**

eCl@ss 8.0	27280401
eCl@ss 9.0	27280401

## Dimensioned drawings

All dimensions in millimeters



## Electrical connection

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

Pin	Pin assignment	Conductor color
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	Green, flashing	Reading successful

### Notes





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

## 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
	50112893	MA 204i Profibus Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: PROFIBUS DP, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50112892	MA 208i Ethernet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: Ethernet, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50103125	MA 21 100.2	Modular connection unit	Supply voltage: 18 ... 36 V Interface: RS 232, RS 485 Connections: 3 Piece(s) Degree of protection: IP 65

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	Part no.	Designation	Article	Description
	50114155	MA 238i EtherCAT Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: EtherCAT, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50112891	MA 248i Profinet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: PROFINET, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50114156	MA 255i DeviceNet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: RS 232, DeviceNet Connections: 6 Piece(s) Degree of protection: IP 67
	50114157	MA 258i EtherNet/IP Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: EtherNet IP, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65

### Mounting technology - Other

	Part no.	Designation	Article	Description
	50111503	MC 030K	Clamp	Diameter, inner: 30 mm Design of mounting device: Mounting clamp Fastening, at system: Through-hole mounting Mounting bracket, at device: Clampable Type of mounting device: Rigid Material: Plastic