



Figure can vary

Part no.: 50103087
RFM 32 SL 200 Ex-n
RFID read/write device



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

Part no.: 50103087 – RFM 32 SL 200 Ex-n – RFID read/write device

Technical data

Basic data	
Series	RFM
Working frequency	13.56 MHz
Functions	
Functions	Configurable operating modes Reading gate control I/O LED indicator
Read data	
Reading/writing range, max.	110 mm
Transponder, readable	ICODESLI Infineon MyD TagIT HFI
Electrical data	
Performance data	
Supply voltage U_B	12 ... 30 V, DC
Power consumption, max.	1 W
Memory access	Read/Write
Transmission speed	4,000 Bd
Inputs	
Number of digital switching inputs	1 Piece(s)
Outputs	
Number of digital switching outputs	1 Piece(s)
Interface	
Type	RS 232
RS 232	
Function	Process
Connection	
Number of connections	1 Piece(s)
Connection 1	
Type of connection	Cable with socket connectors (10+6)
Function	Signal OUT Signal IN Data interface Voltage supply
Cable length	10,000 mm
Mechanical data	
Design	Cubic
Dimension (W x H x L)	76 mm x 30 mm x 102 mm
Housing material	Plastic
Net weight	1,060 g
Housing color	Black
Type of fastening	Through-hole mounting

Part no.: 50103087 – RFM 32 SL 200 Ex-n – RFID read/write device**Environmental data**

Ambient temperature, operation	-25 ... 60 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	5 ... 90 %

Ex specification

Ex device group	II
Temperature class, gases	T4
Ignition protection type	"nA" non-sparking "d" pressure-encapsulated

Certifications

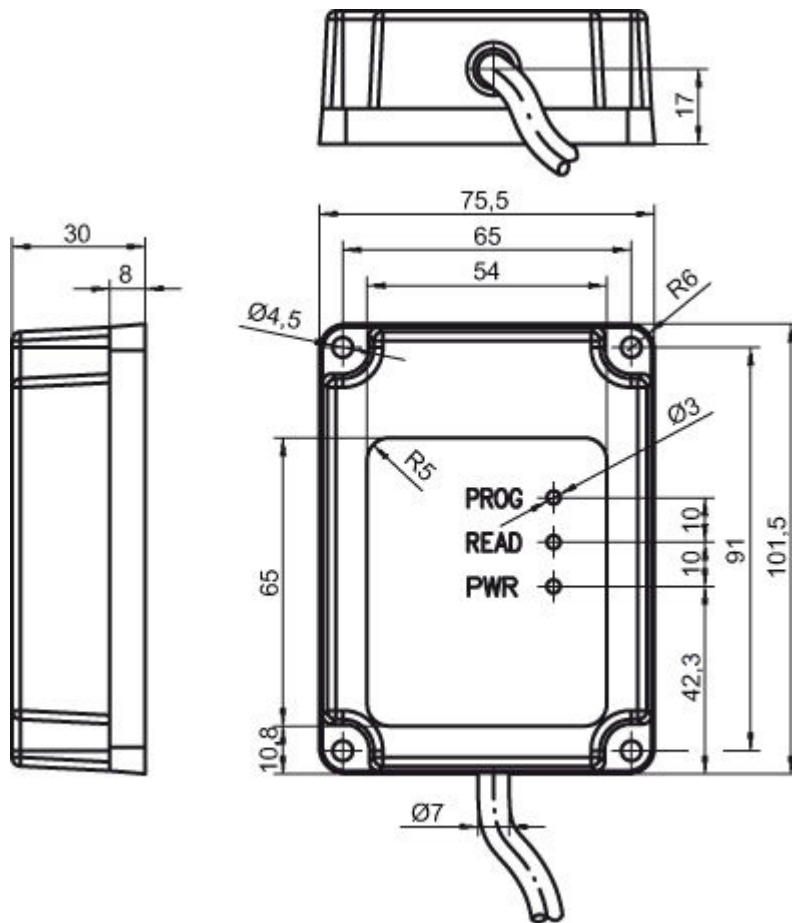
Degree of protection	IP 67
Certifications	Ex

Classification

eCl@ss 8.0	27280401
eCl@ss 9.0	27280401
ETIM 5.0	EC002998
ETIM 6.0	EC002998

Dimensioned drawings

All dimensions in millimeters



Electrical connection

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

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Pin	Pin assignment	Conductor color
14	VIN	Gray
15	GNDIN	White
16	Shield	Shield

Operation and display

LEDs

LED	Display	Meaning
1	Yellow, continuous light	Operational readiness
2	Red, continuous light	Reading gate active
3	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
	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

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	Part no.	Designation	Article	Description
	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