



Figure can vary

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



Contents

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

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

Technical data

Basic data

Series	RFI
Working frequency	0.125 MHz

Functions

Functions	Configurable operating modes I/O LED indicator Reading gate control
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Read data

Transponder, readable	EM4102
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Optical data

Reading distance (RF-ID)	80 mm
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Electrical data

Performance data

Supply voltage U_B	12 ... 30 V, DC
Power consumption, max.	0.5 W
Memory access	Read only
Transmission speed	4,000 Bd

Inputs

Number of digital switching inputs	1 Piece(s)
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Outputs

Number of digital switching outputs	1 Piece(s)
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Interface

Type	RS 232
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RS 232

Function	Process
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Connection

Number of connections	1 Piece(s)
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Connection 1

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

Mechanical data

Design	Cubic
Dimension (W x H x L)	76 mm x 30 mm x 102 mm
Housing material	Plastic
Net weight	385 g
Housing color	Black
Type of fastening	Through-hole mounting

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Environmental data

Ambient temperature, operation	-25 ... 70 °C
Ambient temperature, storage	-40 ... 80 °C
Relative humidity (non-condensing)	5 ... 90 %

Certifications

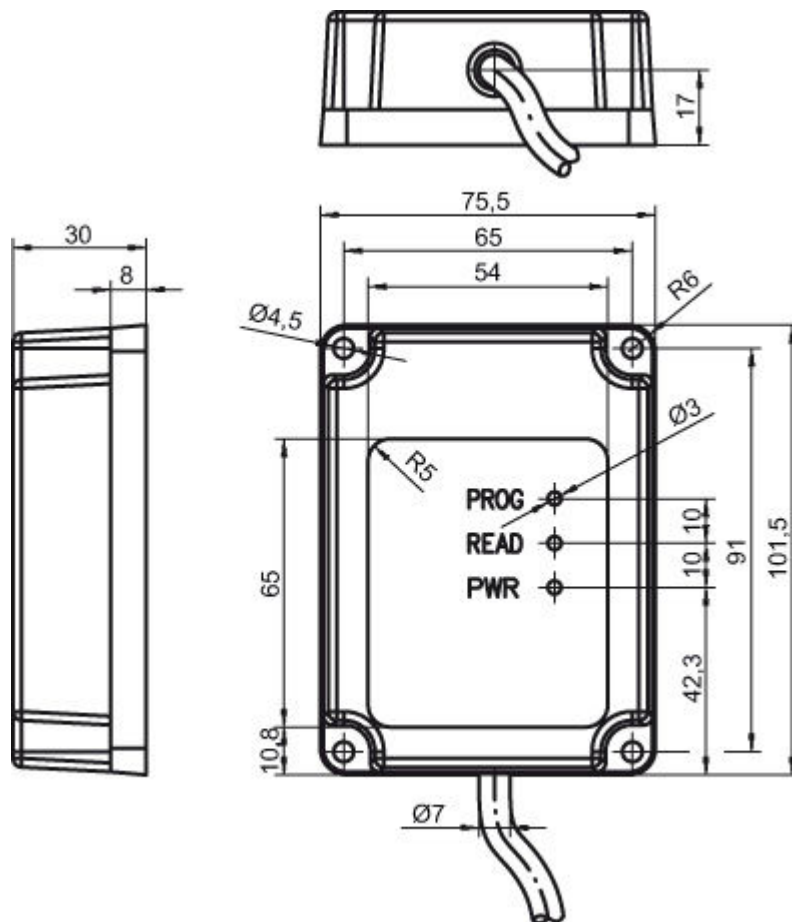
Degree of protection	IP 65
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Classification

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)

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Connection 1	
Function	Data interface Voltage supply Signal IN Signal OUT
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

- 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 64
	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
	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