

# CE

# **Model Number**

## MTT6000-F120-B12-V45-MON

Read/write device

# Features

- Serial interfaces RS 232 and RS 485 ٠
- Ethernet interface with TCP/IP •
- Frequency hopping (FHSS) ٠
- Integrated buzzer •
- Protection degree IP65 •
- 93 Fixed frequency channels ٠
- Long read range, 6 m •
- Multi-tag capability •

Dimensions









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### **Electrical connection**



#### Function

The read/write device MTT6000-F120-B12-V45-MON establishes a link between the code/data carriers of the RFID system MT and a higher-level computer (such as an industrial PC or PLC). The read/write device communicates with the computer via the interfaces Ethernet (TCP/IP), RS 232 or RS 485 (2 or 4 wire). The maximum range for reading in the frequency range 2.45 GHz is 6 m and the maximum write range is .25 m.

In addition to offering many innovative functions, this read/write device also features frequency hopping (FHSS). This function enables the read/write device to "jump" between frequencies within the specified frequency band. This significantly reduces communication interference, especially when several read/write devices are used in close proximity to one another.

The read/write device can partition the specified frequency band into 93 different channels, thus making it compatible with older systems.

The system is also multi-tag capable, i.e. several code or data carriers are identified within the field without interference.

Four operating modes allow for complete application flexibility. Configurable parameters allow for fixed data length, hardware and software triggering, and optional heartbeat.

This hardware has been equipped with a relay output, 3 optocoupler inputs, and 2 open collector outputs.

The status of the read/write device is indicated by several integrated LEDs and a buzzer.

For further information, please refer to the system and device manuals.

#### Accessories

#### **RTS-UP-4** Ethernet DeviceServer

RTS-UP-1 Ethernet DeviceServer

MTM-C1 Data carrier

# MTM-C2

Data carrier

MTO-C1 Code carrier

MTO-C2 Code carrier

**MTA-MH09** Mounting aid 911894\_ENG.xml Date of issue: 2010-03-30 Release date: 2010-03-30 20:09

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Memory Type/Size

> USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

Flash 16 MByte RAM 32 MByte

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Indicators/operating means

# MTT6000-F120-B12-V45-MON

Rated operational voltage	Ue	10 30 V DC
Current consumption		at 24 V: 150 mA at 12 V: 500 mA
Interface		at 12 9.000 m/t
Physical		Ethernet
Protocol		TCP/IP
Transfer rate		10/100 MBit/s
Interface 1		
Physical		RS 232
Protocol		ASCII
Transfer rate		1.2 kBit/s 115.2 kBit/s standard setting: 9.6 kBit/s
Interface 2		
Physical		RS 485: full- (4-wire) or half-duplex (2-wire)
Protocol		ASCII
Iransfer rate		1.2 KBit/s 115.2 KBit/s standard setting: 9.6 kBit/s
Input		Standard Sounig. Sis NEWS
Optocoupler		3 inputs
Input level		ON: ≥ 2.4 V , max. 30 V
P		OFF: ≥ 0 V , max. 0.2 V
Output		
Electronic		output 1:
		open-collector; 1 30 V DC, max. 500 mA
		open-collector; 1 30 V DC, max. 100 mA
Relay		switching current $\leq$ 2 A; P <sub>max</sub> = 50 W
		auitabing values < co V DO: co V AO
Ambient conditions		switching voltage ≤ 60 V DC; 30 V AC
		-20 60 °C (-4 140 °E)
Storage temperature		-20
Mechanical specifications		-20 00 0 (-4 140 1 )
Protection degree		IP65
Material		PC-PBT
Mass		3 kg
Dimensions		290 mm x 165 mm x 56 mm (W x H x D)
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Directive conformity R&TTE Directive 1995/5/EC	a airec-	EN 60950, IEC 60215, ETS 300683, ETS 300440
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