

Schneider Series Service Manual

TSXMBP100

1. Description

The TSXMBP100 from Schneider Electric belongs to the TSX Micro PLCs series. This type III PCMCIA card features a 68-pin connector tailored for effective communication and data management in automation systems.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type PCMCIA card type III
Product	Line TSX Micro PLCs
Part	Number TSXMBP100
EAN	3389110843118
Weight	1.00 lbs (0.45 kg)
LED	Indicators Yes, for status monitoring
Connector	Type 68-pin PCMCIA
Data	Transfer Rate 1 Mbps
Vibration	Resistance 1.5 mm peak to peak from 3 to 13 Hz, 1 g from 13 to 150 Hz
Shock	Resistance 15 g for 11 ms
Humidity	5 to 95% non-condensing
Storage	Temperature -40 to 85 °C
Operating	Temperature 0 to 60 °C
Compatibility	Compatible with Magelis XBT F terminals, Premium processor TSX 57 1./2./3./4./5., Atrium slot-PLC T PCX/TSX PCI 57 2./3.
Memory	Type PCMCIA card type III
Current	Consumption 220 mA at 5 V DC
Communication	Protocol Modbus Plus

3. Product Information

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Technical specifications for TSXMBP100

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Memory Type PCMCIA card type III

Current Consumption 220 mA at 5 V DC

Communication Protocol Modbus Plus

Description

The TSXMBP100 is a PCMCIA card type III developed by Schneider Electric, specifically intended for use within the TSX Micro PLC series. It incorporates a 68-pin connector that ensures reliable interfacing with other components in a control system. Operating data can be transferred at 1 Mbps, facilitating efficient communication.

This card is engineered to endure various industrial conditions. It features a vibration resistance of 1.5 mm peak to peak within a range of 3 to 13 Hz and can withstand a 1 g force from 13 to 150 Hz. The device's shock tolerance is rated at 15 g for a duration of 11 ms, ensuring stability under dynamic conditions. Operating humidity levels from 5% to 95% (non-condensing) are permissible, confirming its adaptability in different environmental settings.

From a temperature perspective, the TSXMBP100 functions optimally at temperatures ranging from 0 to 60 °C. When stored, it can maintain integrity between -40 °C and 85 °C. This unit weighs 0.11 kg and has compact dimensions of 3.5 x 15.5 x 17 mm, making it convenient for integrating various systems.

This card demonstrates efficient power management during operation with a current draw of 220 mA at a 5 V DC supply. Its compatibility extends to notable devices like the Premium processor TSX 57 (versions 1 through 5) and Atrium slot-PLC T PCX/TSX PCI (versions 2 and 3). The card also includes LED indicators for immediate status feedback, enhancing usability in monitoring applications.

Range of Product

Modicon Premium Automation platform

Accessory / separate part category

Communication accessories

Accessory / Separate Part Type

PCMCIA card

Accessory / separate part destination

Magelis XBT F terminals

Premium processor TSX 57 1./2./3./4./5.

Atrium slot-PLC T PCX/TSX PCI 57 2./3.

Complementary

Memory type

PCMCIA card type III

Communication Port Protocol

Modbus Plus

Current consumption

220 mA 5 V DC

Net Weight

0.24 lb(US) (0.11 kg)

Ordering and shipping details

Category

US1PC2222558

Discount Schedule

PC22

GTIN

3389110843118

Returnability

No
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
1.4 in (3.5 cm)
Package 1 Width
6.1 in (15.5 cm)
Package 1 Length
6.7 in (17.0 cm)
Package weight(Lbs)
7.3 oz (206.0 g)