Mitsubishi □□ □□□ □□□ Series Service Manual

FX1S-20MT-001

1. Description

MITSUBISHI FX1S-20MT-001 Product information and technical parameters□

2. Specifications

Specification	Value
Catalog	**Number: FX1S-20MT-001**

3. Product Information

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MITSUBISHI FX1S-20MT-001 Product information and technical parameters

Brand: MITSUBISHI

Name: PLC

Model: FX1S-20MT-001

Total points: 20 points.

Input points: 12 points.

Output points: 8 points.

Voltage: AC220V.

Output type: transistor.

Outline dimension: 75*75*90.

MITSUBISHI FX1S series PLC is suitable for the smallest package,

It is the preferred target for low cost users to seek powerful control over a limited range of I/0.

FX1S provides up to 30 I/O points, and can be transmitted through serial communication data,

MT models also have the ability to locate, widely used in a variety of small mechanical equipment.

Input points: 8 points.

Output points: 6 points.

Power supply voltage: AC100-240V.

Output type: transistor output (drain).

A free combination of PLC.

FX3G basic unit: 14/24/40/60 point.

FX3GA is a compact PLC, simple design and with the basic functions of the FX3 series.

Through the strengthening of the built-in function and flexible expansion, expanded in various fields of application FX1S-20MT-001 FX1S-20MT-001

Third generation standard model.

High flexibility.

Suitable for small scale control of high cost.

Control points to 128 points, the use of CC-Link remote I/O can control the maximum 256 points.

High speed operation.

Basic instructions: 0.21 s/ instruction.

Application instruction: 0.5 s/ instruction.

Large capacity memory FX1S-20MT-001.

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Built in program memory 32000 steps.

EEPROM memory cartridge with program transfer function. Function: CPU module (internal service power supply).

Input and output points: 64 points.

Power supply capacity (DC5V power): 1100mA.

Power supply capacity (DC24V service power supply): 600mA.

Input / output mode: DC input (drain / source) / transistor (drain).

Input points: 32 points.

Output points: 32 points FX1S-20MT-001.

The new expansion module is more convenient!

Pioneer products with advanced built-in functions and rich extensibility.

FX5U built-in analog, communication, high speed input and output,

By extending the board and adapter can be easily extended system.

In addition, through the high speed system bus,

Can maximize the role of the built-in intelligent functions of the expansion device.

Used in FX0N-30EC or FX0N-65EC type extensions to extend power extended modules or special modules.

Connection relay as extension cable and module side standard cable. Length: 0.3m.

Specification: FX round connector, FX square connector. Max input / output points: 40 points.

Supply voltage: 100 - 240VAC.

Input points: 24 points.

Output points: 16 points.

Output type: Transistor (source).

Power consumption (W): 32.

Weight (kg):0.65.

Size (WxHxD) mm:130x90x75.

Terminal row type standard machine with extended input output

Can also be less of a system with analog or communication, etc..

CPU, power supply, input and output integration.

Display module or function expansion board can be less installed.

In addition, you can also reduce the input output or special module.

Built in 8000 step EPROM memory.

No battery. Maintenance free.

Overseas oriented products meet all kinds of international standards.

FX1N series is a very powerful micro PLC, can be extended to up to 128 I/O points,

And can increase the special function module or the expansion board.

Commmunication and data link function options make FX1N in the volume, communication and special function modules and other important applications is very perfect

FX1S-20MT-001.

A PLC unit can output 2 100KHz pulses at the same time,

PLC is equipped wiith 7 special positioning instructions,

Including zero return, absolute position readout, absolute or relative drive, and special pulse output control

Overview

The Mitsubishi FX1S-20MT-001 is a compact PLC CPU module from the FX1S Series, featuring 20 I/O points (12 digital inputs and 8 transistor outputs) operating at 24V DC. Its small footprint and essential control capabilities make it ideal for basic automation tasks in space-limited environments.

Key Features

Series: FX1S

Power Supply: 24V DC

Total I/O Points: 20 (12 inputs, 8 transistor outputs)

Output Type: Transistor (sink type)

Built-In Functions: Counters, timers, logic instructions

Program Capacity: 2,000 steps

Memory Backup: EEPROM retained

LED Indicators: I/O status display

Mounting: DIN rail or panel mount

Technical Specifications

Catalog Number: FX1S-20MT-001

Digital Inputs: 12 (24V DC sink)

Digital Outputs: 8 transistor outputs (0.5A per point)

Max Output Current: 0.5 A per channel, 4 A total common

Input Voltage: 24 V DC

Processing Speed: ~0.5 µs/bit

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Program Memory: 2,000 steps

Ambient Temperature: 0 °C to 55 °C

Dimensions: Approx. 90 × 90 × 73 mm

Weight: ≈ 0.45 kg

Certifications: CE, UL, RoHS