

Mitsubishi FX3G-24MT/ES-A Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	FX3G

Description

FX3G-24MT/ES-A PLC, FX3G Base Unit AC 100-240 V; 14 inputs DC 24V; 10 transistor outputs (sink)

Main Unit

Series MELSEC-F SERIES

Type FX3G

Power Supply (V) 100-240

Current Type AC

Program Memory 32K STEPS

Program Memory Unit EEPROM

Integrated Digital Inputs 14

Integrated Digital Outputs 10

Output Type TRANSISTOR

Output Logic SINK

Local I/O Points 128

Local + Remote I/O Points 256

Expandable YES

Cycle Time LD (ns) 210

Cycle Time MOV (ns) 500

USB 1

RS-422 1

Power Consumption (W) 32

Buffer Battery OPTION

Protection Class IP10

Min. Ambient Temperature (°C) 0

Max. Ambient Temperature (°C) 55

Product Dimensions & Weight

Width (mm) 90

Height (mm) 90

Depth (mm) 86

Weight (kg) 0,55

Auxiliary relays 7,680 total, with 384 general (M0 – M383), 1,152 EEPROM latched (M384 – M1535), and 6,144 general/optional latched (M1536 – M7679)

Special auxiliary relays 512 (M8000 – M8511)

State relays 4,096 total, with 1,000 EEPROM latched (S0 – S999) and 3,096 general/optional latched (S1000 – S4095)

Timers 320 total, with 206 100 ms (T0 – T199 and T250 – T255), 46 10 ms (T200 – T245), and 68 1 ms (T246 – T249 and T256 – T319)

Counters 235 total (16 bit and 32 bit), with 36 general

(C0 – C15 and C200 – C219) and

199 EEPROM latched

(C16 – C199 and C220 – C234)

High-speed counters 21 total, with 16 1-phase (C235 – C250) and 5 2-phase (C251 – C255)

High-speed counter speed 1-phase, 6 points max: 60 kHz / 4 points, 10 kHz / 2 points

2-phase, 3 points max: 30 kHz / 2 points,

5 kHz/1 point

Real-time clock Year, month, day, hour, minute, second, day of the week

Data registers 8,000 total, with 128 general (D0 – D127), 972 EEPROM latched (D128 – D1099), and 6,900 general/optional latched (D1100 – D7999)

Extension registers 24,000 (R0 – R23999)

Extension file registers 24,000 (ER0 – R23999) internal/optional memory

Index registers 16

Special data registers 256 (D8000 – D8255) 512 (D8000 – D8511)

Pointers 2,048

Nestings 8

Interrupt inputs 6

Constants 16 bit: K: -32,768 to +32,767; H: 0 to FFFF; 32 bit: K: -2,147,483,648 to +2,147,483,647; H: 0 to FFFF FFFF

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