

Schneider Electric LMC058LF42

Model: LMC058LF42

Brand: Schneider Electric

Series: Modicon LMC058

Motion Controller, 42 I/O, up to 8 synchronized axes, Modicon LMC058

— Hardware —

Processor: Dual-core ARM Cortex-A8 (M258 platform)

Clock speed: Not available

Program memory: 128 MB Flash

Data memory: 64 MB RAM

Programming software: SoMachine / EcoStruxure Machine Expert

Scan speed: 22 ns per Boolean instruction

— I/O Capacity —

Digital inputs: 26 (10 fast + 12 regular + 4 configurable)

Digital outputs: 16 (12 regular + 4 fast)

Analog inputs: None

Analog outputs: None

High-speed counters: Integrated (via fast inputs)

Pulse outputs: 4 fast outputs

Expansion modules (max): Up to 7 TM5 expansion modules

— Communication —

Built-in ports: 1 × Ethernet RJ45 (10/100BASE-TX), 1 × serial RS-232/RS-485, 2 × CAN (SUB-D9), 1 × encoder input (SUB-D15), 1 × USB-B mini (programming), 1 × USB-A (memory stick)

Protocols: Modbus TCP/IP (Ethernet), Modbus RTU/ASCII (serial), CANopen master, CANmotion master (CAN)

Communication expansion: Not available

— Motion —

Number of axes: Up to 8 synchronized axes (2 ms cycle for 4 axes via CANmotion)

Motion protocol: CANopen master + CANmotion master

Encoder interfaces: 1 × incremental encoder input (SUB-D15, 5V differential RS-422)

— Electrical —

Supply voltage: 24 V DC (20.4...28.8 V)

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Power consumption: 13.03 W

Bus current: 0.28 A @ 24V DC (rated main supply current); 0.04 A (embedded expert modules)

Battery: 3 V CR2477M lithium (for real-time clock / data retention)

—— Environmental ——

Operating temperature: 0...+55 ° C

Storage temperature: -25...+70 ° C

Relative humidity: 10...95% (non-condensing)

Protection rating: IP20

—— Physical ——

Dimensions (H × W × D): 175 × 99 × 85 mm

Weight: 0.55 kg

Mounting: Symmetrical DIN rail

—— Status ——

Lifecycle: Discontinued 2026-06-30; End-of-service 2031-06-30



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