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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec MP4-1D-1F-1F-1F-1Q-0M 400W Power Supply

The Emerson/Artesyn/Astec MP4-1D-1F-1F-1F-1Q-0M is a 400W power supply designed for various industrial and commercial applications. It features multiple output voltages to support diverse system requirements. This power supply is known for its reliability and efficiency, ensuring stable power delivery. It is suitable for use in automation equipment, telecommunications, and other demanding environments.

**MODEL****Emerson / Artesyn
/ Astec MP4-1D-
1F-1F-1F-1Q-0M****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MP4-1D-1F-1F-1F-
1Q-0M****LISTING**[https://aumictechlabs.c
om/products/mp4-1d-1f
-1f-1f-1q-0m-2/](https://aumictechlabs.com/products/mp4-1d-1f-1f-1f-1q-0m-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec MP4-1D-1F-1F-1F-1Q-0M is a 400W configurable power supply engineered for industrial automation, telecommunications, and demanding commercial environments. Its modular architecture supports five output slots with field-proven reliability exceeding 550,000 hours MTBF at full load. The unit accepts wide-range AC (85–264 VAC) and DC (120–350 VDC) inputs, delivering precision-regulated outputs with 0.4% line/load regulation and 5 ms early warning before regulation loss. Input Fuse: 10A Output Configuration (MP4-1D-1F-1F-1F-1Q-0M) Slot 1 (1D): 3.3V @ 35A Slots 2–4 (1F each): 5.2V @ 35A per slot Slot 5 (1Q): 24V @

8.5A Voltage Adjustment: $\pm 10\%$ minimum on all outputs Margining: $\pm 4\text{--}6\%$ nominal Regulation: 0.4% or 20 mV maximum Ripple (RMS): 0.1% or 10 mV, whichever is greater Ripple (Pk-Pk): 1.0% or 50 mV (20 MHz bandwidth limit) Dynamic Response: $< 2\%$ or 100 mV on 25% load step Recovery Time: $< 300\text{ }\mu\text{sec}$ to 1% steady-state Environmental & Mechanical Operating Temperature: $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ (linear derate to 50% at $70\text{ }^{\circ}\text{C}$; $-20\text{ }^{\circ}\text{C}$ to $40\text{ }^{\circ}\text{C}$ with rear air option) Storage Temperature: $-40\text{ }^{\circ}\text{C}$ to $85\text{ }^{\circ}\text{C}$ Humidity: 95% non-condensing Shock/Vibration: Mil-Hdbk 810E compliant Case Size: $2.5 \times 5 \times 10$ inches Key Features Auto-recovery short-circuit protection on all outputs Overload protection on each channel Per-module voltage adjustment and margining capability Outputs adjustable down to 0.5V Harmonic distortion compliant with EN61000-3-2 Power factor correction integrated Status indication via Input-OK and Global DC-OK LEDs Typical Applications Industrial automation control systems Telecommunications infrastructure Multi-rail embedded systems requiring isolated voltage domains equipment demanding high MTBF Compatibility & Integration The five-slot architecture accepts single output modules in four power ranges, with support for series and parallel configurations. Individual module inhibit/enable control provides flexible load sequencing and margin testing.

MP41D1F1F1F1Q0M Characteristics / Specifications

PARAMETER	VALUE
Configuration Code	MP4-1D-1F-1F-1F-1Q-0M
Case Model	MP4
Total Power Low Line Class	400 W maximum
Total Power High Line Class	600 W maximum
Case Dimensions	63.5 mm x 127 mm x 254 mm
Case Size Inches	2.5 × 5 × 10
Available Slots	5
Input Voltage AC	85 to 264 VAC
Input Voltage DC	120 to 350 VDC
Efficiency Typical	70 to 80 percent at full case load
Power Factor Typical	0.99
Turn On Time AC	1.5 s typical
Inhibit Enable Delay	150 ms typical
Emi Filter	CISPR 22 EN55022 LevelBLeakage Current Standard: 2.0 mA maximum at 240 VAC
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms
Input Fuse Internal	10 A
Case Mass Class	2.6 lb empty case
Single Module Power Classes	210 W 360 W 600 W
Dual Module Power Class	144 W
Triple Module Power Class	36 W
Output Voltage Module Range Class	2 to 60 V
Remote Control	TTL global inhibit enable
Isolation	meets EN60950 class
Harmonic Current	meets EN61000-3-2

PARAMETER	VALUE
Warranty Class	2 years
Manufacturer Brands	Artesyn Emerson Astec
Form Factor	modular enclosed AC-DC

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Technical Specifications	
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Inhibit Enable Delay	150 ms typical
Emi Filter	CISPR 22 EN55022 Level B
Leakage Current Standard	2.0 mA maximum at 240 VAC
Holdover Storage	20 ms minimum
Ac Ok Warning	greater than 5 ms
Input Fuse Internal	10 A
Case Mass Class	2.6 lb empty case
Single Module Power Classes	210 W 360 W 600 W
Dual Module Power Class	144 W
Triple Module Power Class	36 W
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Manufacturer Brands: Artesyn Emerson Astec
Form Factor: modular enclosed AC-DC

Notes
This file maps inventory configuration MP4-1D-1F-1F-1F-1Q-0M to the published Artesyn modular platform specifications. Installed rail voltages and currents are defined by the module codes in the configuration string.
Platform specs from Artesyn MP Series datasheet MP4 case row. Part numbers such as MP4-1D-1F-1F-1F-1Q-0M are module configuration codes on the MP4 platform.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.