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Data Sheet

August 15, 2026

AUTC POWER SYSTEMS

Autec Power Systems MFS50-DHW0 Power Supply

The Autec Power Systems MFS50-DHW0 is a reliable power supply designed for various industrial applications. It features a compact design and provides stable and efficient power conversion. The MFS50-DHW0 is engineered to meet stringent safety standards and deliver consistent performance in demanding environments.



MODEL

**Autec Power
Systems MFS50-
DHW0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MFS50-DHW0

LISTING

<https://aumictechlabs.com/products/mfs50-dhw0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Autec Power Systems MFS50-DHW0 is a 500 W power supply engineered for industrial applications within National Instruments PXI chassis systems. This discontinued model delivers multiple DC output rails - ± 12 V and +5 V and +3.3 V - from a compact form factor. Though no longer in production, refurbished and used units remain available through third-party suppliers for system integration and upgrades. Technical Specifications Power Rating: 500 W nominal Input Voltage: 100–240 VAC Output Voltages: ± 12 V, +5 V, +3.3 V (DC) Physical Dimensions: 21.0 cm length $\times$ 8.0 cm width $\times$ 14.0 cm height Weight: Approximately 2.000 kg (4.4 lbs) Key Features Universal input voltage accommodation simplifies deployment across global supply environments

Triple-rail DC output architecture supports diverse module voltage requirements Compact footprint optimized for internal chassis mounting Multi-output regulation enables simultaneous provisioning of analog, digital, and signal-conditioning circuits Typical Applications The MFS50-DHW0 is the primary power distribution element in data acquisition, test automation, and instrumentation systems built on PXI platforms. Industrial measurement and control architectures relying on modular chassis designs benefit from its stable multi-voltage supply. Compatibility & Integration Primary integration occurs within National Instruments PXI-1010 and PXI-1050 chassis. Standard internal bus connections enable seamless operation in 8-slot PXI subsystems and 4-slot SCXI subsystems. SCXI daisy-chaining capability expands channel density for distributed measurement applications. Product Status: Manufacturer discontinued. Availability limited to refurbished and used inventory.

MFS50DHW0 Characteristics / Specifications

PARAMETER	VALUE
Model	MFS50-DHW0
Instrument Type	PXI/SCXI combination-chassis power supply
Power Rating	500 W
Host Chassis	National Instruments PXI-1010 and PXI-1050
Pxi Slots	8-slot PXI subsystem in the host chassis
Scxi Slots	4-slot SCXI subsystem in the host chassis
Ni Part Class	777570 / 776577-70 family
Manufacturer	Autec Power Systems
Literature	Autec MFS50-DHW0 500 W listings; NI PXI-1010 combination chassis description
Family	MFS50 chassis supplies
Form Factor	PXI-1010/1050 internal power module
System Role	combination chassis bulk power
Application Class	PXI instruments plus SCXI signal conditioning
Ship Weight Class	10 lb (Artisan MFS50-DHW0)
Brand Lineage	Autec Power Systems
Daisy Chain	additional SCXI chassis may be daisy-chained on the PXI-1010 architecture
Service Note	PXI-side failure reported as APS MFS50-DHW0 no output; internal fuse F2 cited in NI community
Use Case	rack-space-limited PXI plus SCXI in one chassis
Documentation Type	OEM Autec 500 W listing and NI PXI-1010 chassis literature
Slot Class	8 PXI plus 4 SCXI
Watt Class	500 W
Module Class	replaceable chassis PSU
Host Role	embedded controller plus peripherals in PXI-1010
Cooling Class	chassis forced air of PXI-1010/1050

PARAMETER	VALUE
Connector Class	PXI-1010 backplane power connector
Replacement Class	drop-in Autec MFS50-DHW0 for PXI-1010/1050

MFS50DHW0 Specifications

PARAMETER	VALUE
Applications	500 W bulk power for NI PXI-1010 / PXI-1050 8-slot PXI plus 4-slot SCXI combination chassis.
Key Features	500 W Autec MFS50-DHW0
Technical Specifications	Model: MFS50-DHW0

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	
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Notes

From Autec MFS50-DHW0 500 W listings and NI PXI-1010 8-slot PXI / 4-slot SCXI chassis description. Rail voltages and fuse ampere ratings belong on the Autec MFS50 schematic, not invented here.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.