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Data Sheet

August 15, 2026

EATON / CUTLER-HAMMER

Eaton / Cutler-Hammer DN50SR14 D50 Programmable Controller

Eaton Cutler-Hammer DN50SR14 D50 Programmable Controller Queue model DN50SR14 is the Eaton / Cutler-Hammer D50 micro PLC brick. Distributor identification lists 8 digital inputs, 6 digital outputs, and 115/230 VAC supply. Cutler-Hammer D50 family literature describes a small-application programmable controller with 1 to 56 control points, high-speed count or analog capability, startup self-diagnostics, modular expansion I/O (digital and analog), up to 2000 control steps, EEPROM program storage, LED status, RUN/PROG mode switch, RS-485 port, 47 to 63 Hz supply class, and 0.6 A maximum current consumption on family rows. D50ED14 sibling row in the same brick family is 14 total I/O (8 in / 6 out) at 24 V DC transistor output. Queue model DN50SR14 is the Eaton / Cutler-Hammer D50 micro PLC brick. Distributor identification lists 8 digital inputs, 6 digital outputs, and 115/230 VAC supply. Cutler-Hammer D50 family literature describes a small-application programmable controller with 1 to 56 control points, high-speed count or analog capability, startup self-diagnostics, modular expansion I/O (digital and analog), up to 2000 control steps, EEPROM program storage, LED status, RUN/PROG mode switch, RS-485 port, 47 to 63 Hz supply class, and 0.6 A maximum current consumption on family rows. D50ED14 sibling row in the same brick family is 14 total I/O (8 in / 6 out) at 24 V DC transistor ou

**MODEL**

**Eaton / Cutler-Hammer
DN50SR14**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DN50SR14

LISTING

<https://aumictechlabs.com/products/dn50sr14-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Eaton/Cutler-Hammer DN50SR14 is a compact D50 series programmable logic controller engineered for small-scale industrial automation and process control. This micro PLC delivers high-speed processing of user control programs with programmable capacity up to 2000 control steps. The modular architecture supports expansion I/O modules - both digital and analog - enabling configurations from 1 to 56 control points depending on application demands. Technical Specifications Program Memory: 2000 control steps maximum Control Points: 1 to 56 points (configurable) Digital I/O: Up to 8 digital inputs; up to 6 digital outputs Analog I/O: Up to 8 analog inputs; up to 8 analog outputs Expansion Capability: Supports digital and analog modules for flexible I/O configuration Communication: RS-485 ports at 9600 to 28.8K baud Power Input: 115/230 VAC, 47 to 63 Hz, 0.6 A maximum Physical: Compact design, 0.85 lbs Key Features High-speed program execution for time-critical control logic Startup self-diagnostics and error-checking Dual LED status indicators: Green (RUN), Red (Error) RUN/PROG mode selector switch EEPROM for permanent data retention Modular construction for simplified maintenance and field repair Typical Applications The DN50SR14 suits small-footprint control applications including machine sequencing, process monitoring, equipment interlocking, and distributed automation where space constraints or standalone operation is required. Compatibility & Integration The D50 series design enables seamless integration with Eaton/Cutler-Hammer expansion modules. System configuration flexibility accommodates both digital and analog I/O requirements without requiring a larger controller footprint. Installation environments must be free from corrosive gases, dust, and dirt for reliable operation.

DN50SR14 Characteristics / Specifications

PARAMETER	VALUE
Model	DN50SR14
Instrument Type	Micro programmable logic controller
Family	Eaton Cutler-Hammer D50
Digital Inputs	8
Digital Outputs	6
Total Io Brick	14 points on DN50SR14
Supply Voltage	115/230 VAC
Family Points	1 to 56 control points with expansion
Program Steps	up to 2000 control steps
Program Memory	EEPROM permanent storage
Family Frequency	47 to 63 Hz
Family Current	0.6 A maximum (D50 series row)
Family Analog In	up to 8 analog inputs with expansion
Family Analog Out	up to 8 analog outputs with expansion
Communications	RS-485
Mode Switch	RUN and PROG
Status Leds	green RUN, red error
Diagnostics	startup self-diagnostics and error checking
Expansion	digital and analog I/O modules
Special Io	high-speed count or analog capability
Architecture	modular micro/brick PLC
Manufacturer	Eaton / Cutler-Hammer
Literature	Cutler-Hammer D50 programmable controller family text and DN50SR14 8-in/6-out 115/230 VAC identification
Sibling	D50ED14 8 in / 6 transistor out at 24 V DC in the same 14-point brick class

PARAMETER	VALUE
Environment	install away from corrosive gas, dust, and dirt (D50 family)

DN50SR14 Specifications

PARAMETER	VALUE
Applications	Small machine control, packaging, and OEM equipment using a 14-point AC-powered micro PLC brick.
Key Features	D50 brick PLC, 8 inputs and 6 outputs
Up to 2000 control steps with EEPROM storage	RS-485, RUN/PROG switch, LED diagnostics
Technical Specifications	Model: DN50SR14

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 Eaton/Cutler-Hammer D50 family literature and DN50SR14 distributor identification (8 in, 6 out, 115/230 VAC). Scan-time and exact relay versus SSR output ratings belong on the D50 user manual for that CPU suffix.

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.