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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1364A 16-Channel Form C Switch

The Agilent/Keysight E1364A isaB-size VXI/VME register-based 16-channel FormCswitch module. OEM user manual states each channel provides C/NO/NC latching relay contacts, accepts up to 250 Vdc or 250 Vac peak (177 Vac rms) at 1 A, 30 W or 40 VA per channel, about 15 ms closure time, and about 50 Hz maximum scan rate. General purpose FormCswitching, control outputs with +5/+12 V jumpers, and scanned contact applications in B-size or adapted C-size mainframes. Optional +5 V or +12 V jumpers for control/digital output Digital Output Pullups: optional pullup resistors Switchbox Operation: supported across modules Power On State: documented relay state in manual Electrical and timing values from Keysight E1364A 16-Channel FormCSwitch Module user's manual.



MODEL

**Agilent / Keysight
E1364A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1364A

LISTING

[https://aumictechlabs.c
om/products/e1364a-2/](https://aumictechlabs.com/products/e1364a-2/)

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SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1364A is a 16-channel Form C (SPDT) switch module engineered for signal routing and control in VXI-based automated test systems. Built with latching armature relays, it maintains switch positions without power, making it ideal for switching, scanning, and digital output applications. Each channel independently routes signals between normally closed, normally open, and common terminals while supporting configurable +5V or +12V output to

external devices. Technical Specifications The E1364A operates at maximum voltages of 250 V DC or AC RMS (354 V AC peak) per switch. Continuous switching capacity reaches 1 A DC/AC RMS at up to 40 W per channel, with module-level capacity of 320 W DC or 320 VA AC. Closed channel resistance measures $<1.5\ \Omega$ typical, degrading to $<3.5\ \Omega$ at end of life. Thermal offset stays within 7 μ V DC for precision measurement applications. Signal integrity is maintained across frequencies up to 10 MHz (-3 dB bandwidth). Channel-to-channel crosstalk measures ≤ -80 dB below 100 kHz, reducing to ≤ -30 dB near 10 MHz. Closed channel capacitance remains <20 pF (channel-to-channel and channel-to-common). Insulation resistance exceeds $10^7\ \Omega$ at 40°C/95% RH, rising above $10^8\ \Omega$ at 25°C/40% RH.

Key Features 16 independent Form C channels with latching relay architecture Digital output configuration: +5V @ 1 A or +12V @ 0.5 A per switch (jumper/resistor selectable) Register-based VXI module with downloadable command firmware Low on-resistance and thermal offset for signal fidelity B-size, 1-slot form factor for compact system integration

Typical Applications Multiplexing analog/digital signals in test automation, power supply control switching, external device actuation, and measurement scanning across distributed test architectures.

Compatibility & Integration Supports I-SCPI (Win 3.1, Series 700) and C-SCPI (LynxOS, Series 700) command sets. VXI plug&play framework compatible with Windows and Windows 95/NT environments. Instrument drivers available from Agilent Technologies. Terminal block included for field wiring.

E1364A Characteristics / Specifications

PARAMETER	VALUE
Channels	16
Channel Numbers	00 through 15
Contact Form	FormCwithCNO NC
Relay Type	latching
Maximum Voltage DC	250 Vdc
Maximum Voltage AC Peak	250 Vac peak
Maximum Voltage AC RMS	177 Vac rms
Maximum Current	1 A dc or ac rms non inductive
Maximum Power	30 W or 40 VA per channel
Channel Closure Time	about 15 ms
Maximum Scan Rate	about 50 Hz
Module Size	B
Slots Occupied	1
VXI Device Type	register based
Bus Compatibility	VXIbus and VMEbusCSize Use: requires adapter
Control Jumpers	+5 V or +12 V optional
Digital Output Pullups	optional pullup resistors
Programming	SCPI CLOSe OPEN SCAN
Operating Temperature Class	0 to 55 C
Connectors	P1
Switchbox Operation	supported across modules
Power On State	documented relay state in manual
Operating temperature	Class: 0 to 55 C

E1364A Specifications

PARAMETER	VALUE
Agilent E1364A 16 Channel Form C Switch	Overview
Sixteen Form C latching relays	Optional +5 V or +12 V jumpers for control/digital output
Technical Specifications	Channels: 16
Notes	Electrical and timing values from Keysight E1364A 16-Channel Form C Switch Module user's manual.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Connectors	P1
Switchbox Operation	supported across modules
Power On State	documented relay state in manual Notes Electrical and timing values from Keysight E1364A 16-Channel FormCSwitch Module user's manual.

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	
Electrical and timing values from Keysight E1364A 16-Channel FormCSwitch Module user's manual.	

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.