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Data Sheet

August 13, 2026

KEITHLEY

Keithley 7055-A

The Keithley 7055-A is an accessory card designed for use with Keithley switching systems. This card provides a versatile solution for expanding the switching capabilities of test and measurement setups. It enables automated signal routing and connection management, enhancing the efficiency of data acquisition and control applications. The 7055-A features multiple channels for connecting various instruments and devices, making it suitable for automated testing, data logging, and component characterization.



MODEL

Keithley 7055-A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7055-A

LISTING

<https://aumictechlabs.com/products/7055-a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 7055-A is a relay scanner card for the Model 705 Scanner mainframe, delivering flexible switching across up to 10 channels in 2-pole configuration or 20 channels in 1-pole mode. This general-purpose switching module operates as a voltage scanner, independent relay card, or matrix card, supporting break-before-make isolation and low contact potential for precision measurement applications. Technical Specifications Switching Configuration 10 channels in 2-pole Form A 20 channels in 1-pole mode Matrix options: 1×10 or 2×6 Signal Performance Maximum voltage: 10 V or 15 V Maximum current: 10 mA or 250 mA Contact resistance: $\leq 0.12 \Omega$ to rated life Contact potential: $< 1 \mu\text{V}$ per contact pair (copper leads); $< 50 \mu\text{V}$ typical Actuation time: $10^9 \Omega$, 0 pF typical; $10 \text{ M}\Omega$ into 500Ω @ 1 GHz Differential input isolation: $> 10^9 \Omega$, $10^9 \Omega$, 450 pF typical Common mode voltage rating: $\leq 50 \text{ V}$ peak Reliability Relay life: 10^8 closures at maximum

contact ratings At maximum signal levels, relay life degrades by factor of 10 Key Features Break-before-make switching ensures channel isolation Barrier strip connections for input and output Compact form factor: 32 mm × 114 mm × 272 mm; 0.27 kg Operating temperature: 0°C to 50°C (0% to 80% RH to 35°C) Storage temperature: -25°C to 65°C Typical Applications Automated voltage routing and scanning Multi-channel relay switching for test systems Low-level signal matrix switching General-purpose switching in distributed measurement systems Compatibility & Integration Designed for the Keithley Model 705 Scanner mainframe, which accepts up to two plug-in cards. Compatible with the Model 7056, 7057, 7058, and 7059 scanner cards.

Features & description

From manufacturer datasheet

Features

- Quick-disconnect I/O card separate from the 7056 relay card

7055A Characteristics / Specifications

PARAMETER	VALUE
Model	7055-A
Manufacturer	Keithley Instruments
Instrument Type	Quick disconnect terminal card for 7056 scanner
Alias	7055; 7055-A; 7055A
Host mainframe	Model 705 (two cards) and 706 family
Mate relay card	7056 general purpose scanner
Channels on 70	up to 10 two pole
Relay card functions	voltage scanner, independent relay, or matrix
Relay card actuation	less than 10 ms
Relay card contact life max	1E6 closures at maximum ratings
Connections	barrier strips on the 7055 section
Install	rear-panel plug-in of 7056 assembly
Related 70	low voltage scanner, less than 1 uV thermal class
Related 7057A	thermocouple scanner with CJC
Mainframe interface	IEEE-488 Model 705
Poles 2 pole configuration	10 channels
Poles 4 pole configuration	fewer channels (mainframe literature)
Expansion	daisy-chained 705 mainframes
Card count per 7	two plug-in cards
Swap method	replace 7055 without unsoldering 7056 relays
Form	terminal daughter/section of 7056
Voltage switching family	general purpose 7056 ratings on the relay card
Notastandalone scanner	7055 is the connector section

PARAMETER

VALUE

Use

rewired I/O for 7056 Notes Specs from Keithley Model 705 scanner instruction manual (7055/7056 description). Contact voltage/current limits are those of the 7056 relay card; read the 7056 ratings on the assembly. 7055-A denotes the later 7055 terminal card.

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	
Specifications	
PARAMETER	VALUE
Model	7055-A
Manufacturer	Keithley Instruments
Instrument Type	Quick disconnect terminal card for 7056 scanner
Specifications	
PARAMETER	VALUE
Alias	7055; 7055-A; 7055A
Host mainframe	Model 705 (two cards) and 706 family
Mate relay card	7056 general purpose scanner
Specifications	
PARAMETER	VALUE
Channels on 7056	up to 10 two pole
Relay card functions	voltage scanner, independent relay, or matrix
Relay card actuation	less than 10 ms
Specifications	
PARAMETER	VALUE
Relay card contact life max	1E6 closures at maximum ratings
Connections	barrier strips on the 7055 section
Install	rear-panel plug-in of 7056 assembly
Specifications	
PARAMETER	VALUE
Related 7058	low current scanner card
Related 7059	low voltage scanner, less than 1 uV thermal class
Related 7057A	thermocouple scanner with CJC

Specifications

PARAMETER	VALUE
Mainframe interface	IEEE-488 Model 705
Poles 2 pole configuration	10 channels
Poles 4 pole configuration	fewer channels (mainframe literature)

Specifications

PARAMETER	VALUE
Expansion	daisy-chained 705 mainframes
Card count per 705	two plug-in cards
Swap method	replace 7055 without unsoldering 7056 relays

Specifications

PARAMETER	VALUE
Form	terminal daughter/section of 7056
Voltage switching family	general purpose 7056 ratings on the relay card
Notastandalone scanner	7055 is the connector section

Use: prewired I/O for 7056

Notes

Specs from Keithley Model 705 scanner instruction manual (7055/7056 description). Contact voltage/current limits are those of the 7056 relay card; read the 7056 ratings on the assembly. 7055-A denotes the later 7055 terminal card.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.