

**Aumictech**

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**Data Sheet**

August 2, 2026

KEITHLEY

# Keithley 7036 40 Channel Role Relay Switch Card

Insertion Loss (50  $\Omega$  source/load): less than 0.3 dB below 1 MHz; less than 3 dB below 10 MHz

Operating Temperature: 0°C to 50°C (up to 35°C at less than 80% R.H.) Indoor ATE

environment per Keithley 7000-series specifications. Observe maximum signal levels to preserve relay life. Use appropriate mass-termination hardware for the 96-pin DIN interface.

The Model 7036 is FormA single-pole switching—not Form C (changeover). For digital I/O combined with switching, see Model 7037-D (30 channels plus 10 digital inputs and 10 digital outputs). Two 7036 cards may be installed in a 7001/7002 mainframe for up to 80

FormA channels; verify slot mapping and real-time status display per mainframe

documentation. Cold switching substantially extends contact life beyond maximum-signal-level

ratings. Operating Temperature: 0°C to 50°C (up to 35°C at less than 80% R.H.) Indoor ATE

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FormA channels; verify slot mapping and real-time status display per mainframe documentat

No photo

MODEL

**Keithley 7036**

CALIBRATION

**N/A — off-catalog  
OEM datasheet**

CONDITION

**See OEM  
documentation**

STATUS

**Not listed on  
Aumictech  
inventory**

RFQ / SKU

**7036**

LISTING

**Off-catalog — OEM dat  
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## Features & description

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From manufacturer datasheet

### Features

- 40 independent channels of 1-pole switching
- Form A (single-pole, single-throw, normally open) contact configuration
- 96-pin male DIN card connector (mass-terminated)
- Actuation time 3 ms
- Channel resistance less than 1  $\Omega$  per conductor
- Low contact potential (less than 4  $\mu\text{V}$  per contact)
- Low offset current (less than 100 pA)
- Cold switching contact life up to  $10^8$  closures
- Compatible with Keithley 7001 and 7002 mainframes

## 7036 Characteristics / Specifications

| PARAMETER                      | VALUE                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                          | 7036                                                                                                                                                                                                                                      |
| Manufacturer                   | Keithley (Tektronix/Keithley)                                                                                                                                                                                                             |
| Instrument Type                | Single-Pole Relay Switch Card                                                                                                                                                                                                             |
| Compatible Mainframes          | Keithley 7001, 7002                                                                                                                                                                                                                       |
| Relay Switch Configuration     | 40 independent 1-pole channels                                                                                                                                                                                                            |
| Contact Configuration          | Form A (SPST, normally open)                                                                                                                                                                                                              |
| Connector Type                 | 96-pin male DIN card connector                                                                                                                                                                                                            |
| Maximum Signal Level           | 60 VDC; 30 V rms; 42 V peak between any two inputs or chassis; 1 A switched; 30 VA (resistive load)                                                                                                                                       |
| Contact Life                   | 10 <sup>8</sup> closures cold switching; 10 <sup>5</sup> closures at maximum signal levels                                                                                                                                                |
| Channel Resistance             | less than 1 $\Omega$ per conductor                                                                                                                                                                                                        |
| Contact Potential              | less than 4 $\mu$ V per contact                                                                                                                                                                                                           |
| Offset Current                 | less than 100 pA                                                                                                                                                                                                                          |
| Actuation Time                 | 3 ms                                                                                                                                                                                                                                      |
| Isolation (channel to channel) | greater than 10 <sup>9</sup> $\Omega$ , less than 25 pF                                                                                                                                                                                   |
| Isolation (common mode)        | greater than 10 <sup>9</sup> $\Omega$ , less than 100 pF                                                                                                                                                                                  |
| Relay Drive Current            | 16 mA per relay                                                                                                                                                                                                                           |
| Operating Temperature          | 0°C to 50°C (up to 35°C at less than 80% R.H.)                                                                                                                                                                                            |
| Storage Temperature            | –25°C to 65°C Standard Operating Conditions Indoor ATE environment per Keithley 7000-series specifications. Observe maximum signal levels to preserve relay life. Use appropriate mass-termination hardware for the 96-pin DIN interface. |

# 7036 Specifications

| PARAMETER                                         | VALUE                                         |
|---------------------------------------------------|-----------------------------------------------|
| Keithley 7036 40 Channel Form A Relay Switch Card | Overview                                      |
| Key Features                                      | - 40 independent channels of 1-pole switching |
| Technical Specifications                          | Model: 7036                                   |

# General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                          |
|-----------------------|------------------------------------------------|
| Storage temperature   | −25°C to 65°C                                  |
| Operating temperature | 0°C to 50°C (up to 35°C at less than 80% R.H.) |
| Operating Temperature | 0°C to 50°C (up to 35°C at less than 80% R.H.) |

# 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                                                                                                                                                                                         | 7036                                                                                                |
| Manufacturer                                                                                                                                                                                  | Keithley (Tektronix/Keithley)                                                                       |
| Instrument Type                                                                                                                                                                               | Single-Pole Relay Switch Card                                                                       |
| Compatible Mainframes                                                                                                                                                                         | Keithley 7001, 7002                                                                                 |
| Relay Switch Configuration                                                                                                                                                                    | 40 independent 1-pole channels                                                                      |
| Contact Configuration                                                                                                                                                                         | Form A (SPST, normally open)                                                                        |
| Connector Type                                                                                                                                                                                | 96-pin male DIN card connector                                                                      |
| Maximum Signal Level                                                                                                                                                                          | 60 VDC; 30 V rms; 42 V peak between any two inputs or chassis; 1 A switched; 30 VA (resistive load) |
| Contact Life                                                                                                                                                                                  | 10 <sup>8</sup> closures cold switching; 10 <sup>5</sup> closures at maximum signal levels          |
| Channel Resistance                                                                                                                                                                            | less than 1 $\Omega$ per conductor                                                                  |
| Contact Potential                                                                                                                                                                             | less than 4 $\mu$ V per contact                                                                     |
| Offset Current                                                                                                                                                                                | less than 100 pA                                                                                    |
| Actuation Time                                                                                                                                                                                | 3 ms                                                                                                |
| Isolation (channel to channel)                                                                                                                                                                | greater than 10 <sup>9</sup> $\Omega$ , less than 25 pF                                             |
| Isolation (common mode)                                                                                                                                                                       | greater than 10 <sup>9</sup> $\Omega$ , less than 100 pF                                            |
| Crosstalk (1 MHz, 50 $\Omega$ load): less than -40 dB                                                                                                                                         |                                                                                                     |
| Insertion Loss (50 $\Omega$ source/load): less than 0.3 dB below 1 MHz; less than 3 dB below 10 MHz                                                                                           |                                                                                                     |
| Specifications                                                                                                                                                                                |                                                                                                     |
| PARAMETER                                                                                                                                                                                     | VALUE                                                                                               |
| Relay Drive Current                                                                                                                                                                           | 16 mA per relay                                                                                     |
| Operating Temperature                                                                                                                                                                         | 0°C to 50°C (up to 35°C at less than 80% R.H.)                                                      |
| Storage Temperature                                                                                                                                                                           | -25°C to 65°C                                                                                       |
| Standard Operating Conditions                                                                                                                                                                 |                                                                                                     |
| Indoor ATE environment per Keithley 7000-series specifications. Observe maximum signal levels to preserve relay life. Use appropriate mass-termination hardware for the 96-pin DIN interface. |                                                                                                     |
| Operational Notes                                                                                                                                                                             |                                                                                                     |
| The Model 7036 is FormAsingle-pole switching-not Form C (changeover). For digital I/O combined with                                                                                           |                                                                                                     |

switching, see Model 7037-D (30 channels plus 10 digital inputs and 10 digital outputs). Two 7036 cards may be installed in a 7001/7002 mainframe for up to 80 FormA channels; verify slot mapping and real-time status display per mainframe documentation. Cold switching substantially extends contact life beyond maximum-signal-level ratings.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.