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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 59510A Relay Accessory

HP Agilent Keysight 59510A Output Isolation Relay Accessory The HP 59510A is a remote-controlled relay accessory that isolates a DC power-supply output from the load. OEM 59510A/59511A relay-device tables list operating ranges 200 V at 20 A, 120 V at 30 A, or 48 V at 60 A. TTL-control settling is 440 ms connect and 160 ms disconnect. DC voltage drop is 0.5 V maximum on each relay at 60 A. Floating ratings are 200 Vdc input-to-output, 500 Vdc input or output to ground, and 240 Vdc TTL control to ground. 59511A adds polarity-reversal relays (600 ms). AC input is 100/120/220/240 Vac (minus 13 percent, plus 6 percent) at 48 to 63 Hz. The HP 59510A is a remote-controlled relay accessory that isolates a DC power-supply output from the load. OEM 59510A/59511A relay-device tables list operating ranges 200 V at 20 A, 120 V at 30 A, or 48 V at 60 A. TTL-control settling is 440 ms connect and 160 ms disconnect. DC voltage drop is 0.5 V maximum on each relay at 60 A. Floating ratings are 200 Vdc input-to-output, 500 Vdc input or output to ground, and 240 Vdc TTL control to ground. 59511A adds polarity-reversal relays (600 ms). AC input is 100/120/220/240 Vac (minus 13 percent, plus 6 percent) at 48 to 63 Hz. Sequenced connection of system DC supplies, emergency load disconnect, and fixture isolation within 200 V / 60 A class without polarity reversal (use 59511A when reverse is required).



MODEL

**Agilent / Keysight
59510A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

59510A

LISTING

<https://aumictechlabs.com/products/59510a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 59510A Relay Accessory is a remote-controlled switching device for DC power isolation and sequencing in electronic testing and troubleshooting. It enables load isolation from DC outputs, power and sense lead sequencing, and emergency shutdown capability against fault conditions. The unit integrates with Agilent 66xxA and 603xA series power supplies via GPIB, or operates independently using TTL control interfaces.

Technical Specifications

Switching Ratings 200 V at 20 A 120 V at 30 A 48 V at 60 A DC voltage drop: 0.5 V maximum per relay at 60 A Floating Voltage Isolation Input to output: 200 Vdc Input or output to ground: 500 Vdc TTL control to ground: 240 Vdc TTL Control Response Connect settle time: 440 ms Disconnect settle time: 160 ms Polarity reversal: 600 ms AC Input Configurable: 100, 120, 200, or 240 Vac Voltage tolerance: -13% to +6% Frequency: 48 to 63 Hz Control Interfaces TTL control port GPIB control (with compatible Agilent power supplies) Remote inhibit (INH) input Fault (FLT) output Physical Dimensions: 185.4 mm W × 130.6 mm H × 198.6 mm D Net weight: 2.3 kg; Shipping weight: 3.6 kg Mounting orientation: ±10° from vertical

Key Features Dual-relay architecture for independent switching control Low on-state voltage drop minimizes power loss Wide isolation voltage capability for floating applications Configurable AC power input accommodates international supply standards Emergency shutdown via remote inhibit line Fault reporting output for system diagnostics

Typical Applications Load isolation during power supply testing Sequential power-up control in multi-rail systems Sense lead switching for precision measurement Automated test sequences with fault recovery DC power distribution switching up to 60 A

Compatibility & Integration Direct compatibility exists with Agilent 66xxA and 603xA series power supplies. The unit operates with any DC supply meeting the specified voltage and current limits. Not recommended for use with 6680A, 6681A, 6682A, 6683A, 6684A, or 6035A models. Optional accessories include rack mount kit (Option 850) and additional operating manual (Option 910). Product is discontinued with no direct replacement available.

59510A Characteristics / Specifications

PARAMETER	VALUE
Model	59510A
Instrument Type	Output isolation relay accessory
Related Polarity Model	59511A adds polarity reversal relays
Operating Range High V	200 V at 20 A
Operating Range Mid	120 V at 30 A
Operating Range High I	48 V at 60 A
Dc Floating Input To Output	200 Vdc
Dc Floating To Ground	500 Vdc
Ttl Control To Ground	240 Vdc
Settling Connect	440 ms
Settling Disconnect	160 ms
Dc Voltage Drop	0.5 V maximum on each relay at 60 A
Ac Input	100, 120, 220, or 240 Vac (minus 13 percent, plus 6 percent) at 48 to 63 Hz
Net Weight	2.3 kg (5 lb)
Shipping Weight	3.6 kg (8 lb)
Shipping With 8	4.1 kg (9 lb)
Size	185.4 mmWx 130.6 mmHx 198.6 mm D (7.26 in x 5.14 in x 7.81 in)
Mounting Orientation	within 10 degrees from vertical
Mounting	PEM fasteners, any of three sides
Rack Kit	850 side-by-side (two kits for two units)
Literature	HP 59510A/59511A relay-device specifications, 1994/95 Power Products Catalog; operating/service 5957-6382
Manufacturer	HP Agilent Keysight
Control	TTL
Form Factor	remote relay box

PARAMETER	VALUE
Brand Lineage	Hewlett Packard Agilent Keysight
System Role	DC output isolation without polarity reverse
Polarity Reversal Settling On 59511A	600 ms (not fitted on 59510A)
Documentation Type	OEM relay-accessory specifications
Output isolation	relay accessory

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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Control	TTL
Form Factor	remote relay box
Brand Lineage	Hewlett Packard Agilent Keysight

PARAMETER	VALUE
System Role	DC output isolation without polarity reverse
Polarity Reversal Settling On 59511A	600 ms (not fitted on 59510A)
Documentation Type	OEM relay-accessory specifications

Notes

From HP 59510A/59511A relay-device specification tables (voltage/current ranges, 440/160 ms settling, 0.5 V drop at 60 A, AC input, 2.3 kg, 185.4 x 130.6 x 198.6 mm). Contact material and sense-lead switching details are in operating/service manual 5957-6382. 59510A does not include 59511A polarity-reversal relays.

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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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.