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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 34938A 20-Channel 5A Form A Switch for 34980A

Keysight Agilent 34938A 20-Channel 5 A FormASwitch for 34980A The Keysight 34938A provides twenty FormAgeneral-purpose power switches for the 34980A. OEM 34980A datasheet rates plus or minus 250 VAC, 5 A switch / 8 A carry, 1 MHz bandwidth class, and up to 150 W per FormAchannel for power-line switching applications. AC/DC power routing, fixture mains switching, and high-current FormAcontrol in automated test racks. Standard 78-pin Dsub or terminal-block connections The Keysight 34938A provides twenty FormAgeneral-purpose power switches for the 34980A. OEM 34980A datasheet rates plus or minus 250 VAC, 5 A switch / 8 A carry, 1 MHz bandwidth class, and up to 150 W per FormAchannel for power-line switching applications. AC/DC power routing, fixture mains switching, and high-current FormAcontrol in automated test racks. Standard 78-pin Dsub or terminal-block connections Designed for power-line switching workloads



MODEL

**Agilent / Keysight
34938A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34938A

LISTING

<https://aumictechlabs.com/products/34938a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 34938A is a 20-channel Form A switch module for the 34980A Multifunction Switch/Measure Unit, delivering high-density power switching and signal routing in automated

test systems. Each of the 20 independent SPST relays handles 5 A continuous current and 150 W maximum power, supporting voltages to 30 VDC or 250 VAC. The module uses armature latching relays with a hardware jumper to define power-fail behavior - relays can either open or maintain state on power loss. Built-in relay counter and temperature sensor provide operational monitoring and overheating protection. Standard 50-pin D-sub connectors enable direct connection to cables, terminal blocks, or mass interconnect solutions.

Technical Specifications

Channels:	20
Form A (SPST) Current Rating:	5 A per channel
Maximum Power:	150 W per channel
Voltage Rating:	30 VDC / 250 VAC
Relay Type:	Armature latching relays
Operating Temperature:	0 °C to +55 °C
Connector:	Standard 50-pin D-sub
Module Dimensions:	27 mm H × 280 mm L × 170 mm W

Key Features

- Simultaneous switching across all 20 channels
- Relay counter for cycle tracking
- Temperature sensor with overheating detection
- Hardware jumper configuration for power-fail state definition
- 50-pin D-sub connectors with standard cable compatibility

Typical Applications

- Power cycling of devices under test
- Control of indicator and status lights
- External power relay and solenoid actuation
- Digital output and device actuation in test automation
- General-purpose signal routing in data acquisition systems

Compatibility & Integration

The 34938A installs directly into the Keysight 34980A mainframe. Accessory options include the 34938T Terminal Block, 50-pin M/F D-sub cables (Y1135A at 1.5 m or Y1136A at 3 m), and the Y1139A 50-pin female solder cup connector kit.

34938A Characteristics / Specifications

PARAMETER	VALUE
Model	34938A
Instrument Type	20-channel 5 A FormAgeneral-purpose switch
Host Mainframe	34980A
Channel Count	20
Contact Topology	FormAMax Volts: plus or minus 250 VAC
Switch Current	5 A
Carry Current	8 A
Power Handling Per Channel	up to 150 W
Bandwidth	1 MHz
Offset Per Channel Class	less than 3 uV
Scan Rate	not applicable per summary table
Connector Style	dual 78-pin Dsub male
Form Factor	34980A plug-in module
Switch Family	general-purpose power
Current Rating Dc Ac Rms	5 A switch
Carry Rating	8 A
Channel Independence	twenty independent FormAchannels
Typical Use Class	power line and high-current fixture switching
Related Gp Switch 34937A FormCChannels	28
Related Gp Switch 34937A FormAChannels	4
Related Gp Switch 34939A Channels	64
Related Gp Switch 34939A Max Current	1 A switch 2 A carry

34938A Specifications

PARAMETER	VALUE
Twenty independent Form A channels	5 A switch and 8 A carry capability
Technical Specifications	Model: 34938A
Notes	From Keysight 34980A data sheet general-purpose switch module table for 34938A.

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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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.