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40-channel General-purpose Relay Module

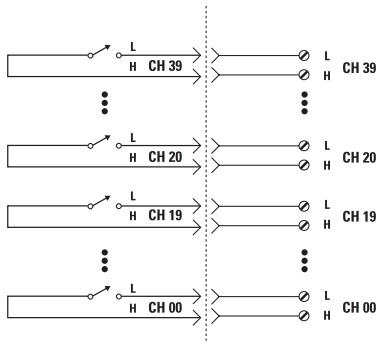
Agilent N2261A

- 40 independent relays in one module
- High-speed switching in parallel operation
- Built-in relay cycle counters

The N2261A general-purpose relay module provides 40 independent single-pole-single-throw (SPST) latching relays. Each channel can switch up to 200 V, 1 A, and 60 W or 62.5 VA. The innovative parallel driving circuits allow 10 channels to be operated simultaneously for high throughput. It can be operated in either SCPI mode or 3488A mode.

A pair of signals can be switched together by using a pair of channels on two N2261A modules. The N2261A can be operated in single-channel break-before-make (BBM) or multiple-channel open/close mode. Screw terminal block, and DIN96-to-D25/50 cables are available to simplify wiring.

N2261A GP Relay Module **Terminal Block**



Specifications

General Specifications	
Relays:	Armature latching relay
Thermal Offset:	<3 µV
Relay Life	
Mechanical:	10^8
Electrical:	5×10^5 (at 1 A load)
Maximum Scan Rate:	80 Chan/sec

Input Characteristics	
Maximum Voltage:	200 V
Maximum Current:	
Per channel	1 A
Per module	20 A
Maximum Power:	
Per channel	60 W or 62.5 VA
Per module	1200 W or 1250 VA
Initial Closed Channel Resistance:	<0.5 Ω

DC Isolation	
Open Channel, Channel-Channel:	
<(40 °C, 50% RH)	$>10^{10}$ Ω
Channel-Chassis:	
<(40 °C, 50% RH)	$>10^{10}$ Ω

AC Isolation		
Capacitance (with 1 channel closed):		
Open Channel	Channel-Channel	<10 pF
	Channel-Chassis	<20 pF
Insertion Loss (with 50 Ω termination):		
100 kHz	<0.10 dB	
1 MHz	<0.20 dB	
10 MHz	<0.50 dB	
Crosstalk (with 50 Ω termination):		
100 kHz	<-70 dB	
1 MHz	<-50 dB	
10 MHz	<-30 dB	

Module Accessories	
N2291A	Screw terminal block
N2297A	DIN-to-Twin-D50 cable

Note: All voltage and current are in DC or AC RMS if not specified.

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