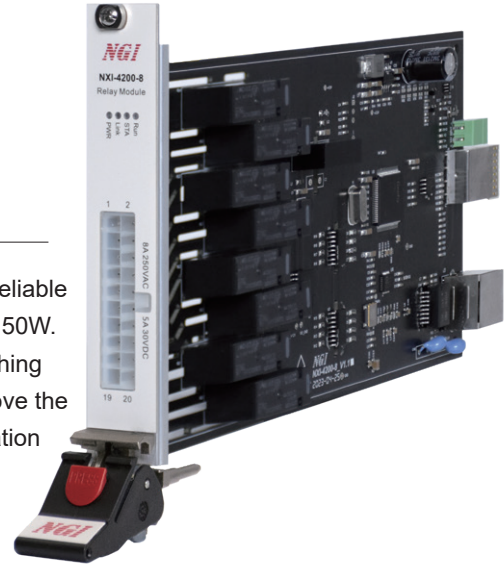


NXI-4200-8

Universal Relay Control Module

Product Introduction

NXI-4200 is an 8-channel relay control switch module with a highly reliable electromagnetic relay, and its high power signals capacity up to 150W. The control circuit of this model is electrically isolated from the switching circuit; Therefore, it can effectively protect the test system and improve the test safety. NXI-4200-8 has a strong loading capacity and good isolation performance, and it can be widely used in various scene that AC/DC voltage and current need to be switched.



Application Fields



Circuit Switching Control



Signal ON/OFF Simulation



Integrated Test Systems



Integrated Test System

Main Features

- 8 channels, support SPST (Single Path Single Throw)
- Switching Load: 8A/250VAC、5A/30VDC
- Action Time: 10ms (typical)
- Dielectric Strength: coil-contact 4000V AC
- Contact Resistance: 100mΩ
- Mechanical life up to 10^7 times
- Single module with single slot, applicable to NXI-F1000 chassis or independent use
- Support 12V DC power supply input, LAN communication for individual control
- Support Modbus-RTU, SCPI protocols

Technical Data Sheet

| Model | NXI-4200-8 |
|-------------------------|--|
| Channels | 8 |
| Topological Structure | 8-SPST Universal Switch |
| Hot swap Load | Max. Current: 8A |
| | Max. Voltage: 30VDC/250VAC |
| Cool Switch Load | Max. Current: 8A |
| | Max. Voltage: 30VDC/250VAC |
| | Max. Power: 150W/2000VA |
| | Min. Switch Capacity: 10mA, 5VDC |
| Min. RDS(ON) | 100mΩ Max@5V/1A |
| Open Circuit Resistance | 10MΩ |
| Bandwidths | 20MHz |
| Action Time | 10ms typical |
| Switching Life | Mechanical Min. operations 1×10^7 times |
| | Electronic Min. operations 5×10^4 times |
| Cool Switch Load | Coil-Contact 4000V AC, 50/60Hz 1 minute |
| | Contact-Contact 1000V AC, 50/60Hz 1 minute |
| | Control-Switch 1000V DC, 50/60Hz 1 minute |
| Others | |
| Test Terminal | ATX Connector, 20Pin |
| Operating Power | 12VDC \pm 10%, <0.5A |
| Communication Interface | LAN |
| Temperature | Working temperature: 0°C~40°C; Storage temperature: -20°C~60°C |
| Operating Environment | Altitude: <2000m; Relative humidity: 5%~90% (no condensation); Operating air pressure: 80~110kPa |
| Dimensions | 130.5mm (H) *20mm (W) *230.5mm (D) (with puller) |

Note 1: For more and latest information, please contact NGI.

Note 2: For other specifications, please contact NGI.