Specifications for the NI PXI-2565

16-SPST Power Relay Module

This document lists specifications for the NI PXI-2565 relay module. All specifications are subject to change without notice. Visit ni.com/manuals for the most current specifications.

Configuration 16-channel SPST

Input Characteristics

All input characteristics are DC, AC_{rms} , or a combination unless otherwise specified.

Maximum switching voltage...... 125 VDC, 250 VAC, CAT II (channel-to-channel and channel-to-ground)



Note Refer to the *NI Switches Getting Started Guide* for more information on measurement categories.

Maximum switching capacity 5 A at 30 VDC (resistive, per channel) 7 A at 250 VAC

Maximum switching power 150 W, 1750 VA (per channel)

DC path resistance

Path resistance is a combination of relay contact resistance and trace resistance. Contact resistance typically remains low for the life of a relay. At the end of relay life, the contact resistance rises rapidly above $1.0\,\Omega$.

National Instruments™, NI™, and ni.com™ are trademarks of National Instruments Corporation. Product and company names mentioned herein are trademarks or trade names of their respective companies. For patents covering National Instruments products, refer to the appropriate location: Help»Patents in your software, the patents.txtfile on your CD, or ni.com/patents.

April 2003 323534A-01





Power dissipation

All relays open......1.75 W

All relays closed, 0 A per channel...7 W

All relays closed, 5 A per channel...21.5 W

All relays closed, 7 A per channel...35.0 W

Dynamic Characteristics

Trigger Characteristics

Physical Characteristics

Environment

Accessories

Visit ni.com for more information about the 16-pin screw terminal plug kit terminal block (761289-16) for the NI PXI-2565.

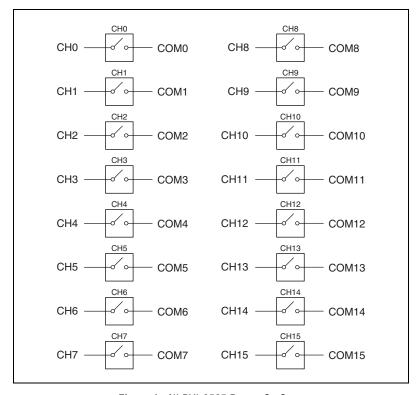


Figure 1. NI PXI-2565 Power-On State

Compliance and Certifications

Safety

This product is designed to meet the requirements of the following standards of safety for electrical equipment for measurement, control and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 3111-1, UL 61010B-1
- CAN/CSA C22.2 No. 1010.1



Note For UL and other safety certifications, refer to the product label or to ni.com.

Electromagnetic Compatibility

Emissions	EN 55011 Class A at 10 m FCC Part 15A above 1 GHz
Immunity	EN 61326:1997 + A2:2001, Table 1
EMC/EMI	CE, C-Tick and FCC Part 15 (Class A) Compliant



Note For EMC compliance, you *must* operate this device with shielded cabling.

CE Compliance

This product meets the essential requirements of applicable European Directives, as amended for CE Marking, as follows:

Low-Voltage Directive (safety)......73/23/EEC

Electromagnetic Compatibility Directive (EMC)......89/336/EEC



Note Refer to the Declaration of Conformity (DoC) for this product for any additional regulatory compliance information. To obtain the DoC for this product, click **Declarations** of Conformity Information at ni.com/hardref.nsf/.