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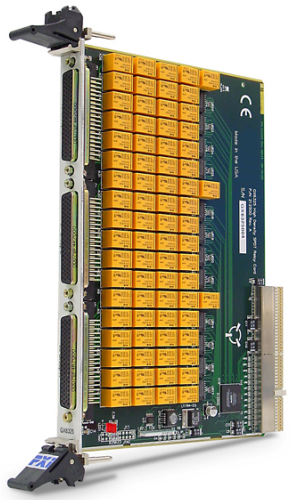
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GX6325

GENERAL PURPOSE SWITCHING PXI CARD

- 75 channels of single pole, double throw (SPDT) form C relays
- 2 A contact rating per channel
- 78 pin D-sub I/O connectors



DESCRIPTION

The GX6325 is 6U switching card with 75 SPDT Form C relays with a switching power rating of 60 W. Featuring the highest density available in PXI for this type of switch card, the GX6325 is suitable for all test applications requiring general purpose, low level switching.

FEATURES

The GX6325 consists of three groups: A, B, and C. Each group has 25 high current relays and a 78-pin D type connector. Each of the relays can be latched or unlatched under program control.

PROGRAMMING AND SOFTWARE

The board is supplied with the GXSW library, a software package that includes a virtual instrument panel, and a Windows 32/64-bit DLL driver library and documentation. The virtual panel can be used to interactively program and control the instrument from a window that displays the instrument's current settings and status. In addition, interface files are provided to support access to programming tools and languages such as ATEasy, LabView, LabView/Real-Time, C/C++, Microsoft Visual Basic®, Delphi, and Pascal. An On-Line help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.
A separate software package - GtLinux - provides support for Linux 32/64 operating systems.

APPLICATIONS

- Automatic Test Equipment (ATE)
- Data Acquisition
- Process Control Systems
- High-density switching systems
- Factory Automation

SWITCHING

GX6325

SPECIFICATIONS

CONTACT SPECIFICATIONS	
Relay Format	75 SPDT Form C
Relay Contact Resistance	50 m Initial
Contact Life Rating at Low Level at Rated Current	 10 x 10^6 (typ) 5 x 10^6 (typ)
Switchable Voltage, Maximum	220 VDC / 250 VAC
Switchable Current	2 A
Contact Carry Current	3 A
Switching Power Rating	60 W
Operate Time	3 ms
Release Time	2 ms
POWER REQUIREMENTS	
Power Consumption +3.3 V +5 V	 100 mA (max) 65 mA per relay (typ); 5 A (max)
ENVIRONMENTAL	
Operating Temperature	GX6325: 0 °C to +55 °C GX6325-M: 0°C to +85°C
Storage Temperature	GX6325: -20°C to +85°C GX6325-M: -51°C to +85°C
Relative Humidity (operating)	GX6325: 5% to 85%, temperature range 0°C to 60°C GX6325-M: 5% to 95%, temperature range 0°C to 60°C GX6325, GX6325-M: 5% to 60% for operating temperatures above 60°C
Altitude (operating)	4600 meters (max)
Vibration	10 G at 10 - 55 Hz
Shock ½ Sine	10 G for 11 mS
PHYSICAL	
Size	6U PXI
Weight	500 g
Connections	78-pin D Sub-type connectors. Includes three mating connectors.

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX6325	75 Channel Form-C (SPDT) Relay card
GX6325-M	75 Channel Form-C (SPDT) Relay card (ruggedized & conformally coated)
ACCESSORY	
GT96002	Connector, D-Type 78-Pin Male with Crimp Pins
GX96106	6 ft. Harness, 78 Pin Male Connector on Both Ends
GT97102	3 ft Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97103	1 ft Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97104	1 foot Harness, 78-Pin Male Connector on Both Ends
GT96107	3 Feet Harness, 78-Pin Male Connector on Both Ends
GX96303	Replacement Relay for GX6325
GX98602	6U "Wireless" Scout Adapter for GX6315/GX6325/GX6338 (2 x 96-Pin, 10A Scout Connectors)
GT96078	78-Pin Connector to Screw Terminal Interface
GX96105	6 ft harness, 78 pin male connector on one end, loose wires (numbered) on other end
GT96110	5 ft Cable, 78-Pin Male Connector on Both Ends
GT97112	15' Cable, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97113	15 ft Cable, 78-Pin Female Connector on One End, Loose Wired (Numbered) Other End

SWITCHING

MARVIN TEST SOLUTIONS

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