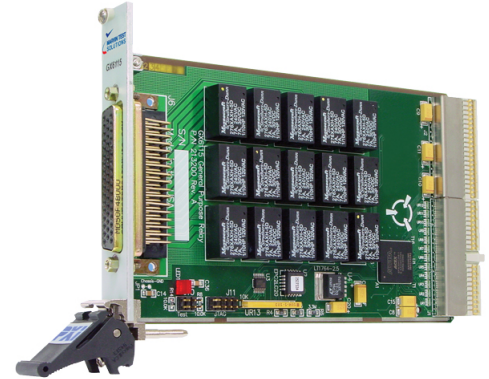


GX6115

HIGH CURRENT RELAY PXI CARD

- 15 individual high current single pole double throw (SPDT) Form C relays
- 7 A contact rating per channel
- 3 additional relay drivers for external relays or other devices
- 50 pin, D-sub I/O connector
- 3U PXI Instrument



DESCRIPTION

The GX6115 is a 15 channel, high current relay board that plugs directly into any 3U PXI slot. The GX6115 also provides three transistor-driven channels for external relays. These outputs may be used to drive external loads, such as heavy duty relays, lamps or other devices.

FEATURES

The GX6115 offers 15 high current relays and three open collector relay drivers. The three open collector drivers are connected via diode to the same fly-back signal. The fly-back signal can be connected to the external relay supply to provide suppression for voltage spikes generated by the relays's coil.

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)
- Power switching
- Alarm Outputs
- Data Acquisition Systems
- Process Control Systems

GX6115

SPECIFICATIONS

CONTACT SPECIFICATION	
Relay Format	15 SPDT Form C
Contact Resistance	0.1 ohm Initial
Contact Life Rating at Low Level at 28 VDC @ 0.5 A	10x10 ⁶ (typ) 5x10 ⁵ (typ)
Switchable Voltage, (Maximum)	30 VDC / 240 VAC
Switchable Current	7 A
Contact Carry Current	7 A
Operate Time	10 ms @ nominal voltage
Release Time	10 ms @ nominal voltage
DRIVE OUTPUTS	
Driver Channels	3 Open Collector outputs
Current	500 mA sink per driver
POWER REQUIREMENTS	
Power Consumption +3.3 V	100 mA (max)
+5 V	70 mA per channel (typ); 1.75 A (max)
Operating Voltage	+5 VDC
ENVIRONMENTAL	
Operating Temperature	0 °C to +55 °C
Storage Temperature	-20 °C to +85 °C
Vibration	9 G at 10 - 55 Hz
Shock 1 / 2 Sine	100 G for 6 mS
PHYSICAL	
Size	3U PXI
Weight	250 g
Connections	50-pin D Sub-type connectors. Includes mating connector.

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX6115	15 Channel high-current relay card with 3 additional relay drivers
ACCESSORY	
GT97106	1' harness, 50 pin male connector on one end, loose wires (numbered) other end
GT97107	3' harness, 50 pin male connector on one end, loose wires (numbered) other end
GT97108	1' harness, 50 pin male connectors on both ends
GT97109	3' harness, 50 pin male connectors on both ends
GT96108	Connector, D-type 50 pin male with solder pins (for GX6315)