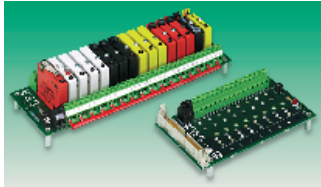


Single Channel I/O Modules

G4 Digital I/O



G4 I/O mounted in a 16 way rack with G4STRAP, 8 way I/O rack for PC connection

OPTO22



Generation 4 (G4) digital modules are single-channel I/O circuits with integral status LED's and integral fuses on the output modules. The modules are designed to work with 5 and 24 VDC logic voltages and to plug into the Generation 4 family of I/O mounting racks only.

AC Input Modules.

- Used for sensing ON/OFF AC voltages
- Designed with filtering on the input and a hysteresis amplifier for high noise rejection and transient-free 'clean' switching
- Each module provides up to 4,000 V rms of optical isolation between field inputs and the logic side of the circuit
- Applications include sensing the presence or absence of voltage, or sensing contact closures from typical sources such as thermostats, proximity, limit, selector pushbutton and toggle switches

DC Input Modules

- Used for sensing ON/OFF DC voltages
- Designed with filtering on the input and a hysteresis amplifier for high noise rejection and transient-free 'clean' switching. (except G4IDC5B and G4IDC5K)
- G4IDC5B and G4IDC5K modules are fast-switching and very fast input modules for signals produced by photoelectric switches, encoders, DC proximity switches, or TTL devices
- Each module provides up to 4,000 V rms of optical isolation between field inputs and the logic side of the circuit
- Applications include sensing the presence or absence of voltage, or sensing contact closures from typical sources such as TTL compatible devices, proximity, limit, selector, pushbutton, toggle and photoelectric switches

AC Output Modules.

- Used for the controlling or switching of AC loads
- Each module provides up to 4,000 V rms of optical isolation between the field devices and the control logic
- Modules feature zero voltage turn-on and zero current turn-off
- Applications include switching AC relays, solenoids, contactors, motor starters, heaters, lamps and indicators

DC Output Modules.

- Used for controlling or switching DC loads
- Each module provides up to 4,000 V rms of optical isolation between the field devices and the control logic
- Applications include the switching of DC relays, DC solenoids, DC motor starters, DC lamps and DC indicators
- G4 DC outputs are current sourcing outputs. The module connection to the load is the positive connection

G4 Digital Mounting Racks.

- Suitable for mounting the OPTO 22 G4 digital I/O module family
- Industrial screw terminal barrier strips for field wiring
- Rack options allow a direct 50 pin ribbon cable connection from the parallel port of a PC to the mounting rack, or provide an interface between dissimilar voltage systems via barrier strip termination
- Note: All I/O racks must be populated with the same voltage modules (i.e. 5V or 24V), except G4PB4R which is an output rack only

Ancillaries.

- Input and Output test switches available using G4SWIN and G4SWOUT
- Insulated common connection strap available using G4STRAP
- For spare 4A module fuses, use Order Code 581-320

5 Volt Modules	Description	Order Code
G4IAC	90 to 140 volt universal input	7218904
G4IAC5A	180 to 280 volt universal input	7218916
G4IDC5	10 to 32 volt universal input	7218928
G4IDC5B	Fast 4 to 16 volt DC input	7218930
G4IDC5D	2.5 to 28 volt DC input	7218941
G4IDC5K	Very fast 2.5 to 16 volt DC input	7218953
G4OAC5	90 to 140 volt AC output	7218965
G4OAC5A	180 to 280 volt AC output	7218977
G4ODC5	5 to 60 volt DC output	7218989
G4ODC5A	5 to 200 volt DC output	7218990
G4ODC5R	Normally open reed switch output	7219003

5 Volt Switch Modules	Description	Order Code
G4IAC5MA	Manually over-ridable 90 to 140 volt universal input	7219015
G4IDC5MA	Manually over-ridable 10 to 32 volt universal input	7219027
G4OAC5AMA	Manually over-ridable 180 to 280 volt AC output	7219039
G4OAC5MA	Manually over-ridable 90 to 140 volt AC output	7219040
G4ODC5MA	Manually over-ridable 5 to 60 volt DC output	7219052

24 Volt Modules	Description	Order Code
G4IAC24	90 to 140 volt universal input	7219131
G4IDC24	10 to 32 volt universal input	7219143
G4OAC24	90 to 140 volt AC output	7219155
G4OAC24A	180 to 280 volt AC output	7219167
G4ODC24	5 to 60 volt DC output	7219179

Digital Mounting Racks	Description	Order Code
G4PB4	4 position I/O rack, barrier termination for field and control	7219064
G4PB4R	4 position output only rack, barrier termination for field and control	7219076

G4PB8	8 position I/O rack, barrier termination for field, 50 way IDC for control	7219088
G4PB16	16 position I/O rack, barrier termination for field, 50 way IDC for control	7219090
G4PB16I	16 position I/O rack, barrier termination for field and control, supporting both negative and positive true output module configurations	7219106
G4PB16T	16 position I/O rack, barrier termination for field and control	7219118
G4PB24	24 position I/O rack, barrier termination for field, 50 way IDC for control	7219120
Ancillaries		
G4SWIN	Switch module input simulator	7219180
G4SWOUT	Switch module output simulator	7219192
G4STRAP	Insulated common connection strap	7219209
Fuse	Spare fuse for modules	581320

inc183b

Order Code	Price Each				
	1+	10+	25+	50+	100+
721-8904					
721-8916					
721-8928					
721-8930					
721-8941					
721-8953					
721-8965					
721-8977					
721-8989					
721-8990					
721-9003					
721-9015					
721-9027					
721-9039					
721-9040					
721-9052					
721-9064					
721-9076					
721-9088					
721-9090					
721-9106					
721-9118					
721-9120					
721-9131					
721-9143					
721-9155					
721-9167					
721-9179					
721-9180					
721-9192					
721-9209					
	10+	50+	100+	500+	
581-320	1.23	0.99	0.87	0.75	

Microprocessor Interface Switches (Series 6 Input/Output System)

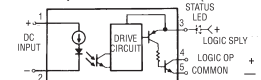
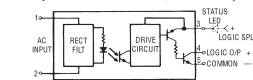


Modules:

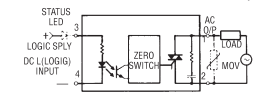
H = 32, L = 44, D = 15.2
8 way: H = 9 (ex module), L = 215, D = 89
16 way: H = 19 (ex module), L = 367, D = 89

- Compatible with 5 volt TTL, CMOS and NMOS Microprocessor Logic Systems.
- Zero Voltage AC Switching.
- Internal Transient Suppression.
- Photo Isolated.

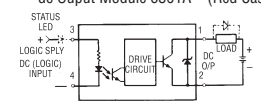
ac Input Modules 6201A, 6202A (Yellow Case) dc Input Module 6101A (White Case)



ac Output Modules 6401A, 6402A (Black Case)



dc Output Module 6301A (Red Case)



Voltage Range	Input Current vs Voltage	Maximum Load Voltage	Maximum Load Current	Alternate Part No.	Order Code
10-32V dc IN	32mA @ 32V dc	30V dc	25mA @ 80°C	1DC5	308-572
90-140V ac IN	6mA @ 120V ac	30V dc	25mA @ 80°C	1AC5	308-584
180-240V ac IN	6mA @ 240V ac	30V dc	25mA @ 80°C	1AC5-A	308-596
3-60V dc OUT	15mA @ 5V dc	60V dc	3A dc @ 45°C	0DC5	308-602
12-140V ac OUT	15mA @ 5V dc	140V ac	3A RMS @ 45°C	0AC5	308-614
24-280V ac OUT	15mA @ 5V dc	280V ac	3A RMS @ 45°C	0AC5-A	308-626

PLC133

Module Type	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
10-32V dc input	6101A	308-572			
90-140V ac input	6201A	308-584			
180-240V ac input	6202A	308-596			
3-60V dc output	6301A	308-602			
12-140V ac output	6401A	308-614			
24-280V ac output	6402A	308-626			