
FnIO G – Series :

GT-2368

GT-2368 (8 Points, Source Output Terminal, 24Vdc, 0.5A, Multi-Com)

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History

Rev	Pages	Remarks	Date	Editor
1.00		Preliminary	2023/03/30	Chiwon, Seo
1.01	4	UL Temperature modified	2023/06/08	Chiwon, Seo
1.02	6,7	Change Diagram, Status LED	2023/08/08	Suna, Hwang

Specification

1. ENVIRONMENT SPECIFICATION

Environmental specification	
Operating Temperature	-40°C ~60°C
UL Temperature	-20°C ~60°C
Storage Temperature	-40°C ~85°C
Relative Humidity	5% ~ 90% non-condensing
Mounting	DIN rail
General specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN 61000-6-4/A11 : 2011
Industrial Immunity	EN 61000-6-2 : 2019
Installation Position	Vertical and horizontal installation is available.
Product Certifications	CE, UL, UKCA

Specification

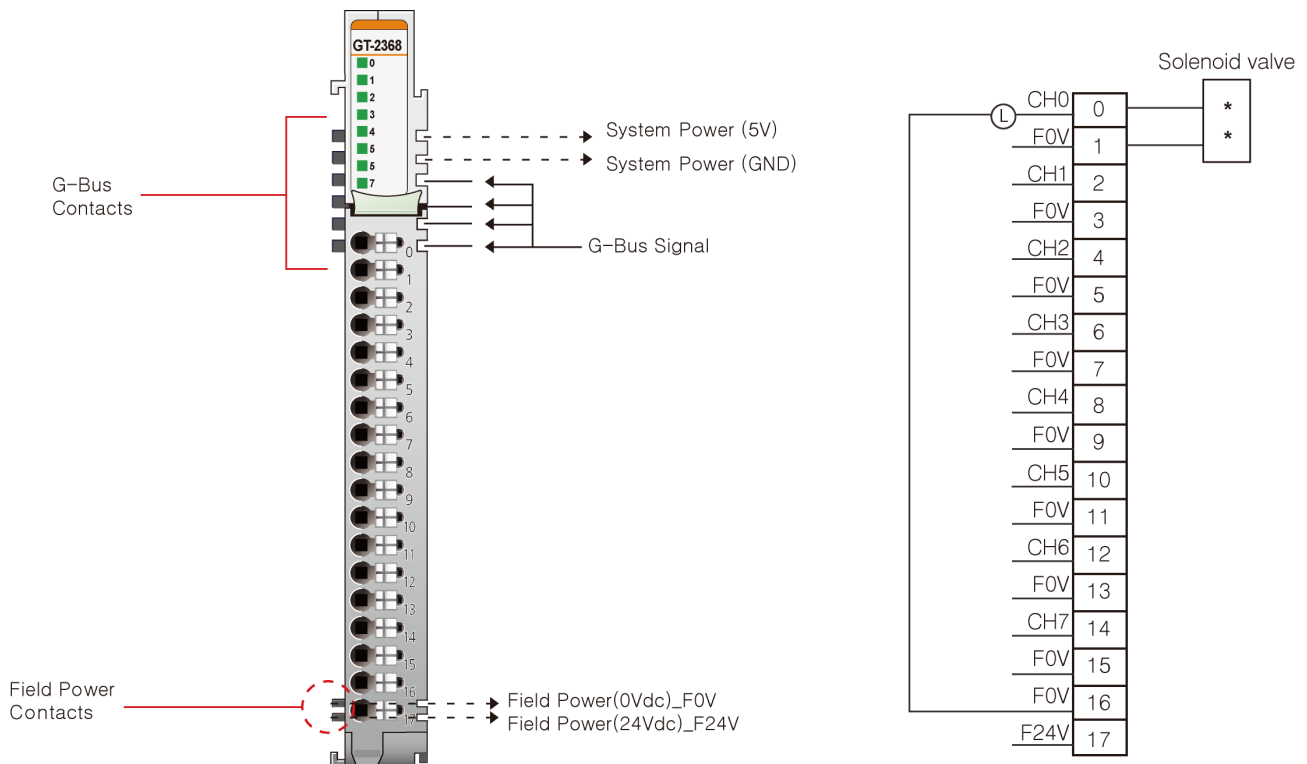
2. GT-2368 (8 Points, Source Output Terminal)

2.1. GT-2368 Specification

Items	Specification
Input Specification	
Output per module	8 points Source type
Indicators	8 green output state
Output Voltage Range	Nominal 24Vdc, 15Vdc ~ 28.8Vdc
ON-state voltage drop	0.5Vdc @ 25°C ~ 60°C
ON-State Min. Current	1mA per channel
OFF-State Leakage current	Max. 10uA
Output Signal Delay	OFF to ON : 0.1ms maximum ON to OFF : 0.5ms maximum
Output Current Rating	Max. 0.5A per channel / Max. 4A per unit
Protection (BSP742TXUMA1)	Over current limit : Min. 1.9A @ 25°C per each channels Thermal shutdown Short circuit protection
Common Type	8 points / 10COM
General specification	
Power dissipation	50mA maximum @ 5.0Vdc
Isolation	I/O to Logic : Photocoupler isolation
UL Field Power	Supply voltage : 24Vdc nominal, Class 2
Field Power	Supply voltage : 24Vdc nominal Voltage range : 15 ~ 28.8Vdc Power dissipation: 20mA maximum @ 24Vdc
Wiring	I/O Cable Max. 0.823mm ² (AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Environment Condition	Refer to '1. Environment Specification'

* Class 2, adjacent to voltage rating (30Vmax)

2.2. GT-2368 Wiring Diagram



Pin No.	Signal Description
0	Output Channel 0
1	Common (Field Power 0V)
2	Output Channel 1
3	Common (Field Power 0V)
4	Output Channel 2
5	Common (Field Power 0V)
6	Output Channel 3
7	Common (Field Power 0V)
8	Output Channel 4
9	Common (Field Power 0V)
10	Output Channel 5
11	Common (Field Power 0V)
12	Output Channel 6
13	Common (Field Power 0V)
14	Output Channel 7
15	Common (Field Power 0V)
16	Common (Field Power 0V)
17	Common (Field Power 24V)

2.3. GT-2368 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	OUTPUT Channel 0	Green
1	OUTPUT Channel 1	Green
2	OUTPUT Channel 2	Green
3	OUTPUT Channel 3	Green
4	OUTPUT Channel 4	Green
5	OUTPUT Channel 5	Green
6	OUTPUT Channel 6	Green
7	OUTPUT Channel 7	Green

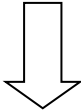
2.3.2. Channel Status LED

Status	LED	To indicate
No Signal	Off	No Output Signal
On Signal	Green	Output Signal detected

2.4. Mapping data into the image table

● Output Image Value

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	D7	D6	D5	D4	D3	D2	D1	D0



● Output Module Data

D7	D6	D5	D4	D3	D2	D1	D0
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2.5. Parameter Data

- Valid Parameter length: 2 Bytes
- Parameter Data

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Fault Action (ch0~ch7) 0: Fault value, 1:Hold last state							
Byte1	Fault value (ch0~ch7) 0:Off, 1:On							