
FnIO G – Series :

GT-2628

GT-2628 (8 Points, Source Output Terminal, 24Vdc/2A)

Table of Contents

[Table of Contents.....2](#)

[History.....3](#)

[1.ENVIRONMENT SPECIFICATION.....4](#)

[2.GT-2628 \(8 Points, Source Output Terminal\).....5](#)

[2.1.GT-2628 Specification5](#)

[2.2.GT-2628 Wiring Diagram.....6](#)

[2.3.GT-2628 LED Indicator.....7](#)

[2.3.1.LED Indicator.....7](#)

[2.3.2.Channel Status LED.....7](#)

[2.4.Mapping data into the image table.....8](#)

[2.5.Parameter Data.....9](#)

History

Rev	Pages	Remarks	Date	Editor
1.00			2016/08/10	Jeongmin, Lee
1.01	4,5	Shock, Vibration specification changed General specification added(UL)	2020/04/20	Juyong, Bae
1.02	6	Change Diagram, Signal Description, Channel to Point	2023/04/03	Soyeong, Park
1.03	6,7	Change Diagram, Status LED	2023/08/08	Suna, Hwang

Specification

1. ENVIRONMENT SPECIFICATION

Environmental specification	
Operating Temperature	-40°C~70°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 : 2008/15g, 11ms
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2005
Installation Position	Vertical and horizontal installation is available.
Product Certifications	CE, UL

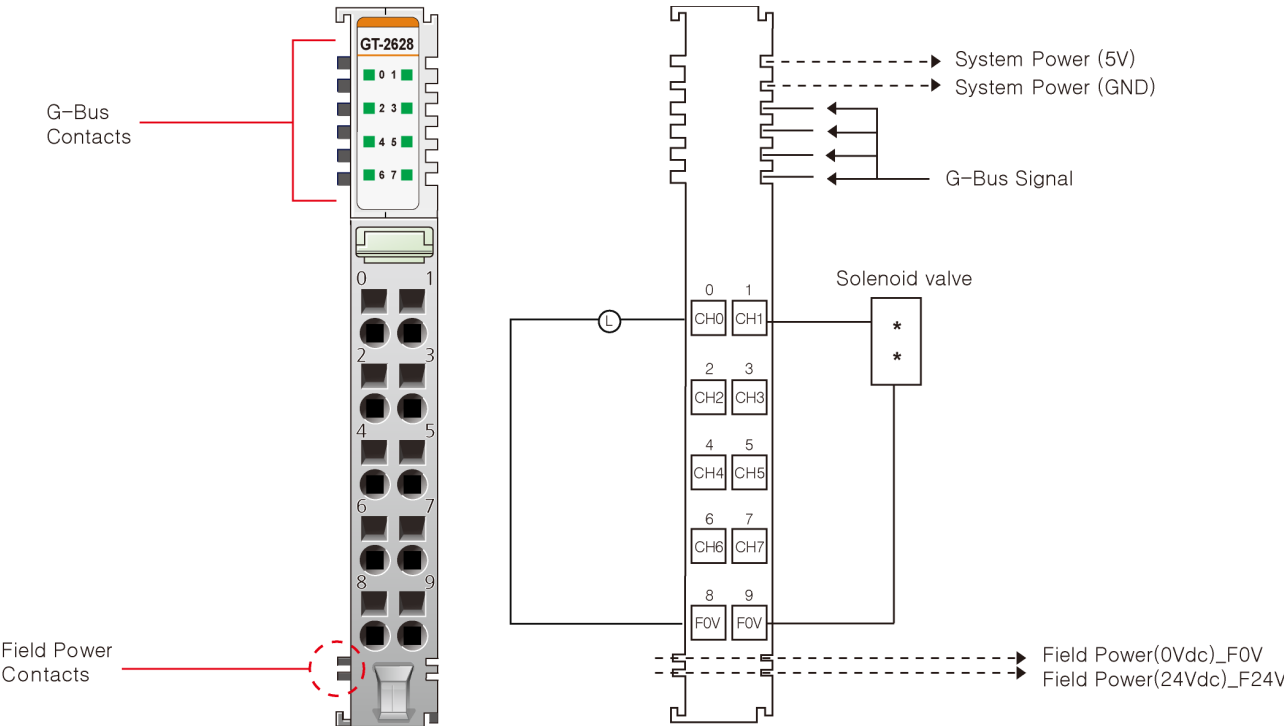
Specification

2. GT-2628 (8 Points, Source Output Terminal)

2.1. GT-2628 Specification

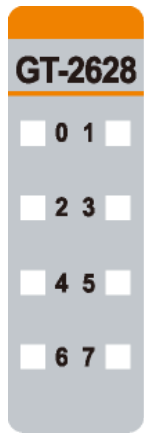
Items	Specification
Output specification	
Output per module	8 points source type
Indicators	8 green output state
Output voltage range	24Vdc nominal Min. 15Vdc ~ Max. 30Vdc
On-state voltage drop	0.3Vdc @ 25°C 0.3Vdc @ 70°C
On-state min. current	Max. 1mA
Off-state leakage current	Max. 5uA
Output signal delay	OFF to ON : Max. 0.3ms ON to OFF : Max. 0.3ms
	Max. 2A per channel
Output current rating	Operating temperature -40°C~50°C : Max. 10A per unit 50°C~60°C : Max. 7A per unit 60°C~70°C : Max. 4.8A per unit
Common type	8 points / 2 COM
General specification	
Power dissipation	Max. 45mA @ 5Vdc
Isolation	I/O to Logic : photocoupler isolation Field power : Non-isolation
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power	Supply voltage : 24Vdc nominal Voltage range : 15~30Vdc Power dissipation: 10mA @ 24Vdc
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	70g
Module size	12mm x 99mm x 70mm
Environment condition	Refer to '1. Environment Specification'

2.2. GT-2628 Wiring Diagram



2.3. GT-2628 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

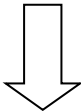
2.3.2. Channel Status LED

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							