
FnIO G – Series :

GT-7641

**GT-7641 (Field Power Distribution 5Vdc, 24Vdc, 48Vdc, 110Vac, 220Vac,
ID Type)**

Specification

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History

Rev	Pages	Remarks	Date	Editor
1.00			Aug 22, 2016	Hongseok Kim
1.01	4,5	Shock, Vibration specification changed General specification added(UL)	April 20, 2020	Joonho, Park
1.02	1~8	Specification form update	2023/07/26	Hongseok Kim

Specification

1. Environment Specification

Environmental Specification	
Operation 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
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

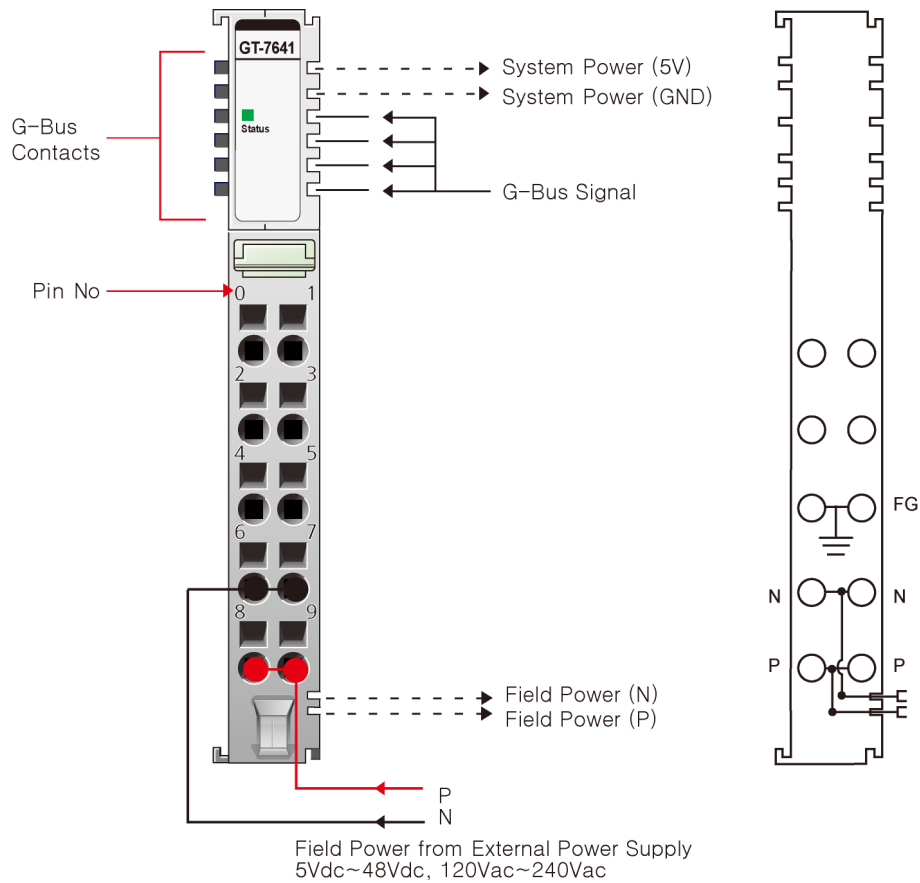
Specification

2. GT-7641(Field Power Distribution 24Vdc, ID Type)

2.1. GT-7641 Specification

Items	Specification
Technical data	
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power voltage	24Vdc nominal
Field power contacts current	Max. 10A Operating temperature -40°C~50°C : Max. 10A 50°C~70°C : Max. 7A
Indicator	1 Green Internal Bus Status
General specification	
System power dissipation	Max. 30mA @ 5Vdc
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	58g
Module size	12mm x 99mm x 70mm
Environment condition	Refer to '1. Environment Specification'

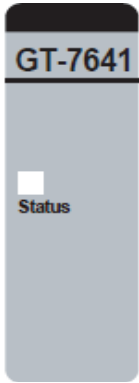
2.2. GT-7641 Wiring Diagram



Pin No.	Signal Description	Signal Description	Pin No.
0	NC	NC	1
2	NC	NC	3
4	Shield	Shield	5
6	Field Power, Arbitrary (N)	Field Power, Arbitrary (N)	7
8	Field Power, Arbitrary (P)	Field Power, Arbitrary (P)	9

2.3. GT-7641 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
Status	Internal Bus Status	Green

2.3.2. Status LED

Status	LED	To indicate
G-Bus Status	Off	Disconnection
	Green	Connection

Specification

2.4. Example

The GT-7641 provides Field Power

