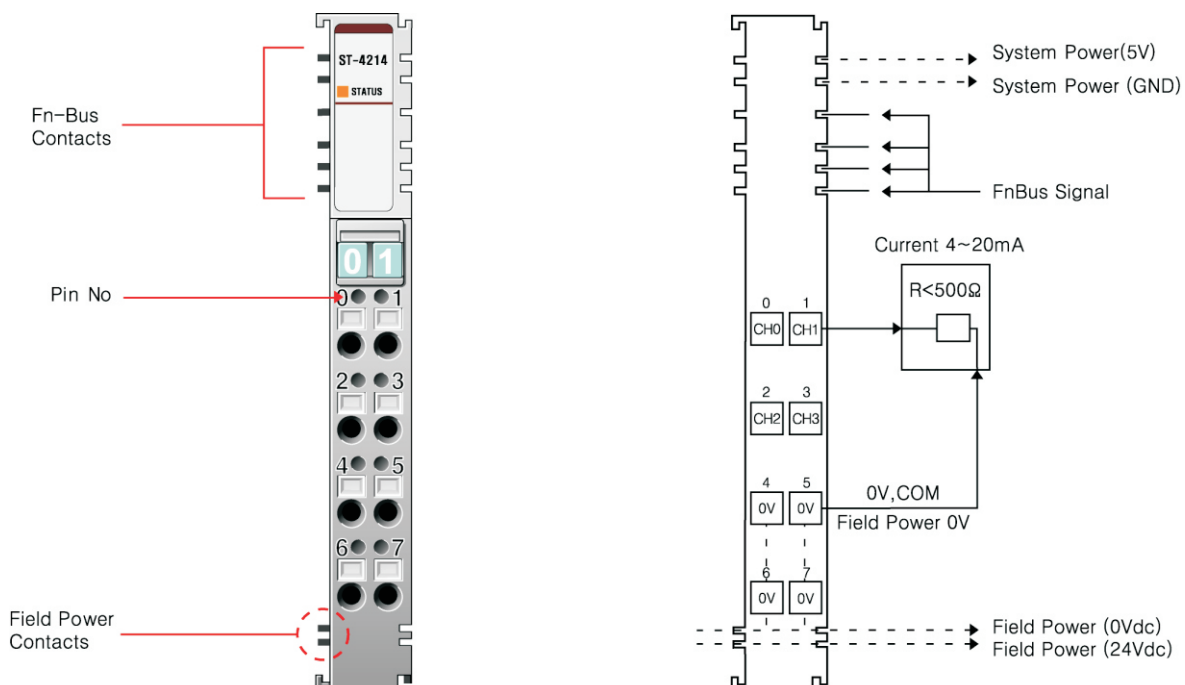


4 Channels Current Output Terminal 4~20mA, 12bit

- ST-4214는 4 Channels analog current type output이며, 4~20mA의 표준화된 signal을 만들어냅니다.
- Signal은 12bits의 분해능력으로 공급되며 전기적으로 절연되어 있습니다.
- 이 module에는 network 상태를 나타내는 1개의 LED가 있습니다.

Items	Specification	Pin No	Description
Output Specification		0	Output Channel 0
Outputs Per Module	4Channels single ended	1	Output Channel 1
Indicators	1 Green/Red FnBus State	2	Output Channel 2
Resolution in Ranges	12 bits : 3.9uA/Bit	3	Output Channel 3
Output Range	4 ~ 20mA	4	Field Power 0V(AGND), Common
Data Format	16bits Integer (2' compliment)	5	Field Power 0V(AGND), Common
Module Error	±0.1% Full Scale @25°C ±0.3% Full Scale @0°C, 60°C	6	Field Power 0V(AGND), Common
Load Resistance	Max. 500Ω	7	Field Power 0V(AGND), Common
Conversion Time	4msec / All channel		
Calibration	Not Required		
Diagnostic	No		
Common Type	4Common, Field Power 0V is Common(AGND)		
General Specification			
Power Dissipation	Max. 60mA @ 5.0Vdc		
Isolation	I/O to Logic : Photocoupler Isolation I/O to Field Power : Non- Isolation		
Field Power	Supply Voltage : 24Vdc nominal Voltage Range : 18~28.8Vdc Power Dissipation : Max. 60mA @24Vdc		
Wiring	I/O Cable Max. 2.0mm ² (AWG#14)		
Weight	70g		
Module Size	12mm x 99mm x 70mm		
Environment Condition	Refer to " Environment Specification"(page : 1-261)		

Wire Diagram



Mapping Data into the image Table

Output Image Value

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte 0	Analog Output Ch0 Low byte							
Byte 1	Analog Output Ch0 High byte							
Byte 2	Analog Output Ch1 Low byte							
Byte 3	Analog Output Ch1 High byte							
Byte 4	Analog Output Ch2 High byte							
Byte 5	Analog Output Ch2 High byte							
Byte 6	Analog Output Ch3 High byte							
Byte 7	Analog Output Ch3 High byte							



Output Module Data
-8byte Output Data

Analog Output Ch0
Analog Output Ch1
Analog Output Ch2
Analog Output Ch3

Expansion Module Status LED

Status	LED is	To indicate
Not Powered	Off	Device has no expansion Module or may not be powered
No Initialized		The Parameter is not initialized yet.
Fn-Bus Connection	Green	FnBus normal Operation
Fn-Bus Ready	Flashing Green	FnBus Ready
Fn-Bus Fault	Flashing Red	FnBus Time Out FnBus Failed Communication
Device Fault	Red	Device Fault

ST-4214

Current	4.0mA	8.0mA	12.0mA	20.0mA
Data(Hex)	H0000	H03FF	H07FF	H0FFF

