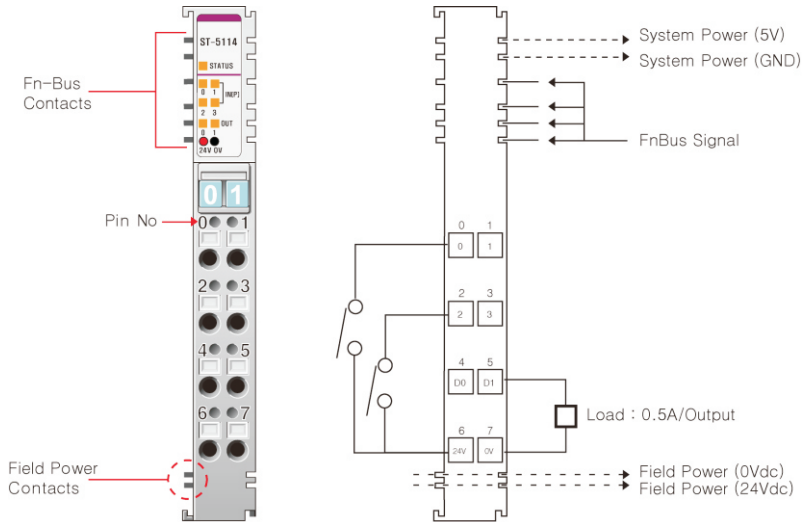
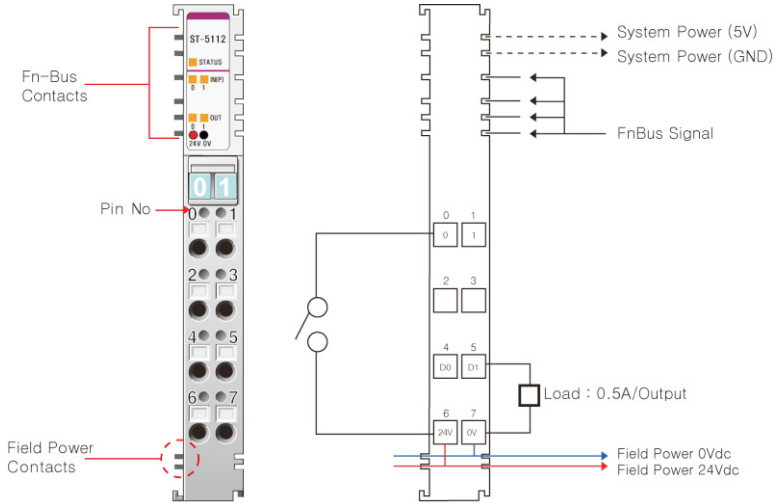


ST-5112, ST-5114

High Speed Counter, 2 Channels, 24V Sink Input (ST-5112) 4 Channels, 24V Sink Input (ST-5114)



Special Module

Item	ST-5112	ST-5114
Input Specification		
Number of Channel	Max 2 Channel	Max 4 Channel
Indicators	1 Green/Red Fn-Bus Status 2 Green Terminal Input LEDs	1 Green/Red Fn-Bus Status 4 Green Terminal Input LEDs
Input voltage (Rated)	24Vdc	
Input Current	6.1mA@24vdc	
Min. On-Status Volt / Current	12Vdc / 2.9mA	
Max. Off-Status	7Vdc / 1.0mA	
Maximum Input Frequency	Max. 100KHz except Encoder x4 Max. 50KHz Encoder x4	Max. 50KHz except Encoder x4 Max. 25KHz Encoder x4
Input Duty Range	20% ~ 80%	
Input Filter Selections	None	
Counting Mode	1 Input Mode - Up, Down 2 Input Mode - Up/Inhibit, Up/Reset, Down/Inhibit, Down/Reset, Up/Down, Clock/Direction, Encoder x 1, Encoder x 2, Encoder x 4	
Gate Function Mode	None	
Counter Size	32 bit-wide / Channel	
Common	2 Common	
Output Specification		
Channel Type	2 Channel Source Type	
Output Voltage	24 Vdc	
Output Current	0.5A / Channel, Short Protection	
Indicator	2 Green Status	
General Specification		
Power Dissipation	160mA@5.0Vdc	
Isolation	I/O to Logic : Photo coupler Isolation	
Field Power	Supply Power : 24 Vdc nominal Voltage Range : 18 ~ 28.8 Vdc Power Dissipation : 20mA@24Vdc	
Wiring	I/O Cable Max. 2.0m (AWG#14)	
Weight	70g	
Module Size	12mm x 99mm x 70mm	
Environment Condition	Operating Temperature : -20°C ~ 55°C Non-Operation Temperature : -40°C ~ 85°C Relative Humidity : 5% ~ 90% non-condensing Operating Altitude : 2000m Shock Operating : 10G Shock Non-Operating : 30G Vibration : 2G@10-500Hz Refer to " Environment Specification"(page : 1-191)	
Pin No.	Description	Description
0	Counter Input Ch#0	Counter Input Ch#0
1	Counter Input Ch#1	Counter Input Ch#1
2	-	Counter Input Ch#2
3	-	Counter Input Ch#3
4	Digital Output Ch#0	Digital Output Ch#0
5	Digital Output Ch#1	Digital Output Ch#1
6	Field Power 24V	Field Power 24V
7	Field Power 0V, Common	Field Power 0V, Common
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-