

# 2 Channel High Speed Counter Input, 24VDC



- The ST-5112 is 2 Channel encoder Input modules, Also it supports 1 Channels output for Counting mode change.
- This module is able to count the binary pulses and transmit the data via the equivalent FieldBus.
- This module has 3 status LEDs, one for the network status and the others for the output status of the modules..

**Items High Speed Counter Module**

**Output Specification**

Number of Channel	Max. 2Channels Counter, Sink Input Type - 2 1-Input Mode : 2 Counters Available - 1 2-Input Mode : 1 Counters Available
Indicators	1 Green/Red FnBUS state 2 Green Terminal input LEDs
Input Voltage	24Vdc
Input Current	6.1mA@24Vdc
Min. On-State Volt/Current	12Vdc/2.9mA TBD
Max. Off-State Volt/Current	9Vdc/1.0mA TBD
Input Frequency	0~100KHz excep Encoder 4x, TBD 0~50KHz, Encoder 4x, TBD
Counting Mode	1-Input Mode - Up, Down 2-Input Mode - Up/Inhibit, Up/Reset, Down/Inhibit, Down/Reset, Up/Down, Clock/Direction Encoder 1x, Encoder 2x, Encoder 4x
Counter Size	32bit-wide/Channel
Common Type	2Common(24Vdc)
<b>General Specification</b>	
Power Dissipation	Max. 150mA @5.0Vdc, TBD
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. 10mA @24Vdc,TBD
Wiring	I/O Cable Max. 2.0mm(AWG#14)
Weight	70g
Module Size	12mm x 99mm x 70mm
Environment Condition	Refer to Environment Specification

Pin No	Description	Pin No	Description
0	Counter Input Ch#0	1	Counter Input Ch#1
2	-	3	-
4	Field Power 0V, Common	5	Field Power 0V, Common
6	Field Power 24V	7	Field Power 24V

**Wire diagram**

