

4 Channel High Speed Counter Input, 24VDC



- The ST-5114 is 4 Channel encoder Input modules. Also it supports 2 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 5 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. 4Channels Counter, Sink Input Type - 4 1-Input Mode : 4 Counters Available - 3 1-Input Mode & 1 2-Input Mode : 3 Counters Available - 2 2-Input Mode : 2 Counters Available
Indicators		1 Green/Red FnBUS state 4 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		0~50KHz except Encoder 4x, TBD 0~25KHz, 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)
General Specification		
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 ² (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	Counter Input Ch#2	3	Counter Input Ch#3
4	Field Power 0V, Common	5	Field Power 0V, Common
6	Field Power 24V	7	Field Power 24V

Wire diagram

