

HSC11-High Speed Counter/Frequency Input Module

9/27/2021



Specifications	
Number of Input Channels	3 individual optically isolated
Input Type of Counter	A-B phase, up-down pulse, or direction pulse; individual channel selectable
Count Range	32 bits (-2147483648~+2147483647)
Counter Modes	4 modes
Counter Input Level	24VDC (default) or 12V (Selectable via internal Dip Switch)
Logic 0 Level	24VDC: logic 0 when ≤ 15 VDC 12VDC: logic 0 when ≤ 9 VDC
Max. Counter Frequency	50KHz
External Input Points	3 individual optically isolated, DC 12~24V
External Output Points	3 individual optically isolated NPN/Sink transistor outputs for fast I/O response, 0.1A/pt. 12-24VDC (<i>Requires external 24VDC power supply</i>)
Isolation	2.5 KV optical isolation between input/output signals and CPU
Internal Current Consumption	400mA
External Connectors	20 point terminal block connector, max. wire size #14 AWG
Weight	370g
Features	
Can be used as a 3 channel frequency input module with Smart SoftPLC LocalPorts or Backplane3 interface, 3 separate frequencies per module	

Terminal #	Signal	Wiring Diagram
1	CH1_A+	
2	CH1_A-	
3	CH1_B+	
4	CH1_B-	
5	CH2_A+	
6	CH2_A-	
7	CH2_B+	
8	CH2_B-	
9	CH3_A+	
10	CH3_A-	
11	CH3_B+	
12	CH3_B-	
13	X1	
14	O1	
15	X2	
16	O2	
17	X3	
18	O3	
19	24V	
20	GND	

