

MELSEC-L Series Counter Modules

Counter Modules

High-speed counter modules can be added on and configured in GX Works2 using built-in utilities.

Model Number			LD62 (DC Input)		LD62D (Differential Input)		
Stocked Item			S		S		
Certifications			UL • cUL • CE				
Number of Channels			2ch				
Counting Speed Switch Setting			10kpulse/s, 100kpulse/s, 200kpulse/s		10kpulse/s, 100kpulse/s, 200kpulse/s, 500kpulse/s		
Count Input Signal	Phase		1-phase input (multiple of 1/2), CW/CCW, 2-phase input (multiple of 1/2/4)				
	Signal Level		5/12/24VDC 2 to 5mA		EIA Standard RS-422-A differential type line driver level (Equivalent with AM26LS31)		
Counter	Maximum Counting Speed		200kpulse/s		500kpulse/s		
	Counting Range		Binary with 32-bit code (-2147483648 to 2147483647)				
	Type		UP/DOWN preset counter (+ ring counter function)				
	Minimum Count Pulse Width (Duty Ratio 50%)		10kpulse/s		50μs	10kpulse/s	50μs
			100kpulse/s		5μs	100kpulse/s	5μs
			200kpulse/s		2.5μs	200kpulse/s	2.5μs
						500kpulse/s	1μs
Minimum Phase Differential for 2-Phase Input		10kpulse/s		25μs	10kpulse/s	25μs	
		100kpulse/s		2.5μs	100kpulse/s	2.5μs	
		200kpulse/s		1.25μs	200kpulse/s	1.25μs	
					500kpulse/s	0.5μs	
Comparison Output	Comparison Range		Binary with 32-bit code (-2147483648 to 2147483647)				
	Comparison Result		Set value < Count value; Set value = Count value; Set value > Count value				
External Input	Preset		5/12/24VDC 2 to 5mA		5/12/24VDC 2 to 5mA (Differential type line drivers conforming to EIA standard RS-422-A are also applicable.)		
	Function Start						
	Minimum Input Response Time	OFF – ON	Function start: 0.5ms				
ON – OFF		Function start: 1ms					
External Output	Comparison Output		2 points/channel				
	Output Voltage/Current		12 to 24VDC 0.5A				
	Output Response Time	OFF – ON	0.1ms or less (rated load, resistive load)				
		ON – OFF					
I/O Device Points Occupied			16 points (I/O assignment: 16 points for intelligent function module)				
External Connections			40-pin connector				
5VDC Internal Current Consumption (A)			0.31		0.36		
Weight (kg)			0.13				
Dimensions (W x D x H) mm			28.5 x 90 x 95				