

Modicon Quantum automation platform

Counter and special purpose modules

Type	High-speed counter modules	
		
Functions	<p>5 channels for incremental encoder</p> <ul style="list-style-type: none"> - Frequency on counter inputs 100 kHz (≐ 5 V) or 20 kHz (≐ 24 V) - Counting 16 bits (65635 points) or 32 bits (2 147 483 647 points) - 8 outputs ≐ 24 V 	<p>5 channels for incremental encoder</p> <ul style="list-style-type: none"> - Frequency on counter inputs 500 kHz (≐ 5/24 V) - Counting 16 bits (65635 points) or 32 bits (2 147 483 647 points) - 4 outputs ≐ 24 V
Unity Pro software compatibility	Yes	
Addressing requirement (words)	13 in/13 out	6 in/6 out
Bus current required	250 mA	650 mA
Model	140 EHC 105 00	140 EHC 202 00
Pages	48206/3	

Latch/interrupt module



- 16 channels --- 24 V
- 3 operating modes:
 - Interrupt handling mode on rising edge or falling edge (priority order : depends on addressing module and No. of channel module)
 - Automatic latch/unlatch mode on rising edge (30 μ s min.) or falling edge (130 μ s min.)
 - High-speed input mode on rising edge (30 μ s min.) or falling edge (130 μ s min.)

"Time Stamp" system
Clock synchronization module



- 1 DCF input --- 24 V for GPS external time receiver (470 GPS 001 00) or DCF external time receiver (DCF 77E)
- Clock synchronisation (day of week, month, year) and time data (ms, min, hour)
- Periodic or event time stamping

"Time Stamp" system
Multifunction input module



- 32 discrete inputs --- 24...125 V
- Response time 0...255 ms (configurable)
- 5 operating modes:
 - Discrete inputs processed cyclically
 - Event inputs (4096 time-stamped events by module)
 - Counting inputs 32 bits, 500 Hz
 - Periodic time stamping
 - Time-delayed switching

Yes

16 in

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400 mA

300 mA

300 mA

140 HLI 340 00

140 DCF 077 00

140 ERT 854 10

48199/4

48195/5