

# 5410

## SCADAPack High Speed Counter/Accumulator



### At a glance

- Optically isolated
- 32-bit count range
- Wide input range 3...28 Vdc
- Guaranteed no missed counts to 10 KHz
- Counts retained during power outage
- Self clearing or accumulating
- Accepts quadrature phase inputs

The 5410 High Speed Counter/Accumulator is part of the SCADAPack™ family of I/O Expansion and Communication modules, providing flexible I/O and telemetry options.

With the addition of I/O Expansion modules, any<sup>1</sup> SCADAPack Smart RTU is easily expandable from its base I/O configuration to more than 700 process I/O points. Available for a wide range of process I/O requirements, from digital and analog I/O to I/O simulators and a UPS module, a maximum of twenty I/O modules may be connected for an expansion of up to 512 digital outputs, 512 digital inputs, 128 analog inputs, 64 counters and 64 analog outputs, on some models.

# 5410

## SCADAPack High Speed Counter/Accumulator

### Specifications – 5410 High speed counter/accumulator

#### General

Counter Input Points	4
Count Length	32-bit, range is 0...4,294,967,295
Over-Voltage Protection	Transient suppressor on each input
Input Voltage Range	Typical operating inputs 5 to 24 Vdc, 3 Vdc minimum, 28 Vdc maximum
Input Current	8 mA typical, 13 mA maximum
Input Logic Level	OFF to ON threshold is typically 2 Vdc
Maximum Input Frequency	10 kHz with filters off, 5 kHz with quadrature counters, 60 Hz with de-bounce filters on
Maximum Pulse High Width	<ul style="list-style-type: none"> <li>50 microseconds (<math>\mu</math>s), 100<math>\mu</math>s with quadrature counters</li> <li>8.3 milliseconds with de-bounce filters</li> </ul>
Maximum Pulse Low Width	<ul style="list-style-type: none"> <li>50 microseconds (<math>\mu</math>s), 100<math>\mu</math>s with quadrature counters</li> <li>8.3 milliseconds with de-bounce filters</li> </ul>
Isolation	500 Vac input to input, 500 Vac input to logic circuit
Addressing	DIP switch configurable
Terminations	8-pole, removable terminal block, 12...22 AWG, 15 A contacts
Visual Indicators	<ul style="list-style-type: none"> <li>4: red LEDs</li> <li>LED on time stretched for easy viewing controlled for power reduction</li> </ul>
Power Requirements	5 Vdc @ 35 mA with all LEDs on, 5 Vdc @ 15 mA with LEDs disabled
Dimensions	108 mm wide x 118 mm high x 44 mm deep (4.25 in. x 4.625 in. x 1.75 in.)
Mounting	7.5 x 35 DIN rail
Packaging	Corrosion resistant zinc plated steel with black enamel paint
Environment	5% RH to 95% RH, non-condensing, -40...60 °C (-40...140 °F)
Certification	Certified for use in hazardous locations, Class I, Div 2, Groups A, B, C and D, Temperature Code T4

# 5410

## SCADAPack High Speed Counter/Accumulator

### Model Code – 5410 High Speed Counter/Accumulator

Part number	Model	Description
TBUX297149	5410	High speed counter/accumulator

**Note:** This product is not RoHS-compliant. Accessories sold separately.

**Footnote: 1.** Some I/O Expansion modules are specific to SCADAPack 300 RTUs, others are specific to SCADAPack E RTUs. The SCADAPack 100 does not support any such module.

**Disclaimer:** Schneider Electric reserves the right to change product specifications. For more information visit [www.se.com](http://www.se.com).

#### Schneider Electric Systems USA

Process Automation SCADA & Telemetry  
38 Neponset Avenue, Foxboro, Massachusetts 02035 USA  
Direct Worldwide: +1 (613) 591-1943  
Email: [telemetrysolutions@se.com](mailto:telemetrysolutions@se.com)  
Toll Free within North America: +1 (888) 267-2232  
[www.se.com](http://www.se.com)

Life Is On

**Schneider**  
Electric

Part Number TBULM08001-49 v09

© 2020 Schneider Electric. All Rights Reserved. Schneider Electric, Life Is On Schneider Electric, and SCADAPack are trademarks and the property of Schneider Electric SE, its subsidiaries and affiliated companies. All other trademarks are the property of their respective owners. February 2021