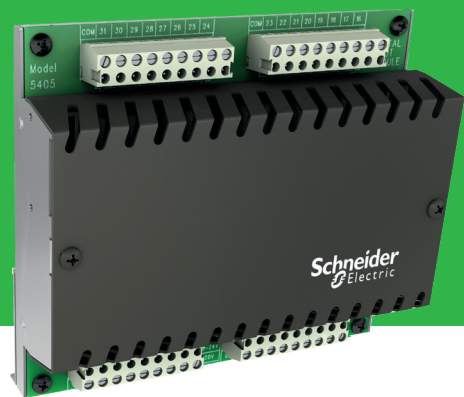


# 5405

## SCADAPack Digital Input Module



### At a glance

- High density, 32 digital inputs
- Sinking input design
- Low Power
- cCSAus and cULus Class I, Division 2 Hazardous Area Rating
- UL508 listed
- ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2)

The SCADAPack™ 5405 Digital input module 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.

# 5405

## SCADAPack Digital Input Module

### Specifications – 5405 Digital input module

#### General

Input Points	32
Ranges	12...24 Vdc, 16...24 Vac, 120 Vac/Vdc
Over-Voltage Tolerance	150% sustained over-voltage without damage
Input Current	<ul style="list-style-type: none"> <li>• 6.0 mA typical @ 24 Vdc on the 24 Vdc range</li> <li>• 3.5 mA typical @ 24 Vac on the 24 Vac range</li> <li>• 2.5 mA typical @ 120 Vdc on the 120 Vdc range</li> <li>• 1.5 mA typical @ 120 Vac on the 120 Vac range</li> </ul>
DC Input Logic Levels	<ul style="list-style-type: none"> <li>• OFF to ON transition threshold is typically 7.5 Vdc on the 24 Vdc range</li> <li>• OFF to ON transition threshold is typically 55 Vdc on the 120 Vdc range</li> </ul>
AC Input Levels	<ul style="list-style-type: none"> <li>• OFF to ON transition threshold is typically 6 Vac on the 24 Vac range</li> <li>• OFF to ON transition threshold is typically 45 Vac on the 120 Vac range</li> </ul>
Transient Protection	2.5 kV surge withstand capability as per ANSI/IEEE C37.90.1-1989
Isolation	Isolated in 4 groups of 8. Inputs 0...15 are on the bottom edge Inputs 16...31 are on the top edge. Isolation 500 Vac/Vdc from chassis and logic ground
Power Requirements	5 Vdc @ 10 mA with all inputs ON
Terminations	4: 9-pole, removable terminal blocks, 12 to 22 AWG, 15 A contacts
Dimensions	144 mm wide x 127 mm high x 45 mm deep (5.65 in. x 5.00 in. x 1.88 in.)
Packaging	Corrosion resistant zinc plated steel with black enamel paint
Environment	5% RH to 95% RH, non-condensing; -40...60 °C (-40...140 °F)
Addressing	Configurable with 4 DIP switches
AC/DC Operation	2: DIP switches determine AC/DC and 50/60 Hz operation
Visual Indicators	32: Red LED's, field powered. Cannot be disabled to conserve power
Safety	cCSA <sub>US</sub> and cUL <sub>US</sub> Class I, Division 2 Hazardous Area Rating, UL508 listed

# 5405

## SCADAPack Digital Input Module

### Model Code – 5405 Digital input module

Part number	Model	Description
TBUX297249	5405-120	32 point, 120 Vac discrete input module
TBUX297247	5405-24	32 point, 12...24 Vdc discrete input module

**Note:** This product is 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).

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