Green Premium™

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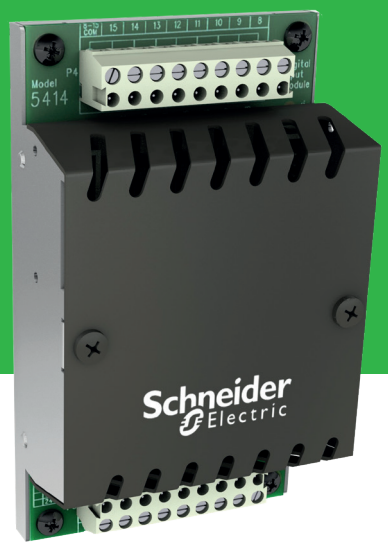
5414

SCADAPack
Compact Digital Input Module



At a glance

- 16 optically isolated digital inputs
- 12...24 volts
- Very low power requirements
- Universal AC or DC
- Compact module

The SCADAPack™ 5414 Compact 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[1] 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.

Green Premium™ ecolabel product – Sustainable performance, by design

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Specifications – 5414 Compact digital input module

General	
Number of Digital Inputs	16
Ranges	Factory-configurable as 12/24 Vdc
Input Current	• 0.6 – 0.9 mA at 24 Vdc on the 12/24 Vdc range • 0.3 – 0.4 mA at 48 Vdc on the 48 Vdc range • 0.3 – 0.4 mA at 120 Vac on the 115/125 Vac range • 0.3 – 0.4 mA at 240 Vac on the 240 Vac range
Over-voltage Tolerance	150% sustained over-voltage without damage
Power Requirements	• 5 Vdc @ 6 mA with LEDs off • 5 Vdc @ 40 mA with LEDs on
Visual Indicators	Logic powered LEDs. Can be disabled to conserve power.
Field Terminations	12...22 AWG, 15 A contacts
Dimensions	74 mm wide x 124 mm high x 45 mm deep (2.90 in. x 4.90 in. x 1.80 in.)
Mounting	7.5 x 35 DIN rail
Packaging	Corrosion-resistant; zinc-plated steel base and stainless steel cover with black enamel paint
Environment	• 5% RH to 95% RH, non-condensing • –40...70 ºC (–40...158 ºF) operation • –40...85 ºC (–40...185 ºF) storage
Safety	• Class I, Division 2, Groups A, B, C and D and CSA certified to UL508 standards • ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2) (5414-24 only) • Maximum permitted voltage in Canada or North America is 240 Vac • Maximum permitted voltage outside of Canada or North America is 30 Vac/42.4PK/60 Vdc • For the latest information regarding product environmental compliance visit the Schneider Electric Check a Product portal at https://checkaproduct.se.com/

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Model Code – 5414 Compact digital input module

Part number	Model	Signal Range
TBUX297378	5414-24	12/24 Vac/Vdc, ATEX and IECEx

Footnote: 1. Some I/O Expansion modules are specific to SCADAPack 300 RTUs, others are specific to SCADAPack E RTUs.

Note: Accessories sold separately.

Disclaimer:
The information provided in this document contains general descriptions and/or technical characteristics of the performance of the described products or services. For detailed specification, performance and instruction of use, refer to corresponding Catalogs and user guides if available.

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Green Premium™

Schneider Electric's commitment to deliver products with best-in-class environmental performance.

Green Premium™

More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACH substance information
- Industry leading # of PEP's*
- Circularity instructions

Green Premium promises compliance with the latest regulations, transparency on environmental impacts as well as circular and low-CO_2 products.

CO2 and P&L impact through… Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO_2 emissions.

Cost of ownership optimization through… Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

Peace of mind through… Well-being Performance

Green Premium products are RoHS and REACH-compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

Improved sales through… Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

Learn more about Green Premium

*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)