

5103

SCADAPack Uninterruptible Power Supply



At a glance

- Transformer isolated
- Built-in battery charger for UPS
- Isolated 24 volt analog loop output
- Dual, wide range AC/DC inputs
- Cool running switch-mode design
- cCSAus and cULus Class I, Division 2 Hazardous Area Rating
- UL508 listed
- Conformal coated

The SCADAPack™ 5103 Uninterruptible power supply 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, any¹ 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.

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Specifications – 5103 Uninterruptible power supply

General

AC/DC Input	<ul style="list-style-type: none"> 16...24 Vac for 5/24 Vdc outputs operational, 24 Vac required for battery charging 14.5+/-0.5 Vdc for 5/24 Vdc outputs operational, 20 Vdc required for battery charging
DC/Battery Input	Turn on at 11.5 Vdc \pm 0.3 Vdc, Turn off at 10.5 Vdc \pm 0.5 Vdc, Maximum input is 36 Vdc
Input Power	35 VA maximum at 24 Vac, 1.9 A at 13.5 Vdc
Outputs	5 Vdc at 2.0 ampere, 24 Vdc at 0.5 ampere, 17 W total available from the two outputs 11...14 Vdc battery charger at 200 mA (factory adjusted to 13.5 Vdc for gelled electrolyte lead/acid battery)
Mode	Isolated switch-mode, 30 KHz switch frequency
Line Regulation	< 1% over operating range
Load Regulation	<ul style="list-style-type: none"> 5 Vdc output: 5.15 Vdc \pm1% over operating range 24 Vdc output: \pm17%
Output Ripple	<ul style="list-style-type: none"> 5 Vdc output: < 10 mVdc at 20 °C (68 °F) 24 Vdc output: < 50 mVdc at 20 °C (68 °F)
Visual Indicators	5 Vdc and 24 Vdc green LEDs show power status
Power Requirements	35 VA maximum @ 24 Vac, 1.9 A @ 13.5 Vdc
Terminations	10-pole, removable terminal block, 12...22 AWG, 15 amp contacts
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	<ul style="list-style-type: none"> 5% RH to 95% RH, non-condensing -40...+60 °C (-40...+140 °F)
Safety	<p>Non-Incendive Electrical Equipment for Use in Class I, Division 2 Groups A, B, C and D Hazardous Locations. Temperature Code T4 at 60 °C ambient. UL Listed to the following standards:</p> <ul style="list-style-type: none"> CSA Std. C22.2 No. 213-M1987 - Hazardous Locations CSA Std. C22.2 No. 142-M1987 - Process Control Equipment UL Std. No. 1604 - Hazardous (Classified) Locations UL Std. No. 508 - Industrial Control Equipment

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Model Code – 5103 Uninterruptible power supply

Part Number	Model	Description
TBUX297102	5103	SCADAPack Uninterruptible power supply

Accessories

Part Number	Model	Description
TBUX294034	1206	12 Vdc 6 AH gelled electrolyte battery
TBUX294000	ACX-24	120/24 Vac, 40 VA transformer
TBUX294167	ACX-24E	220/24 Vac, 40 VA transformer

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.

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