5606-5607-5608-5610

SCADAPack
analog/digital I/O modules

Product at a glance

- I/O expansion modules for SCADAPack™ 300/300E and SCADAPack 32 Smart RTUs (restrictions apply)
- Up to 32 DIs, 16 Relay DOs, 8 configurable AIs and 2 optional AOs per module
- Up to 8 modules supported
- Conformally coated
- 3 year warranty on parts and labor

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Specifications – Digital and Analog Inputs/Outputs

I/O module	5606	5607	5608	5610
Analog inputs	8	8	-	-
Analog outputs	2 (option)	2 (option)	-	-
Digital inputs	32	16	12	16
Digital outputs	16	10	6	10

I/O

Analog Inputs	software configurable to 0...20, 4...20mA , 0...5 or 0...10V • Resolution: 15-bit ADC (15-bit over the measurement range in 10V, 14-bit in 20mA) • Accuracy: ±0.1% of full scale at 25°C (77°F), ±0.2% over temperature range • Input Resistance: 250 Ω or 20 kΩ in 20mA or 10V configurations • Isolation: 500 Vac from logic and chassis • Normal rejection mode: 27 dB at 60 Hz
Analog Outputs	0...20 mA, 4...20 mA, voltage output may be accomplished with external precision resistor • Resolution: 12-bit over 0...20 mA range • Accuracy: ±0.15% at 25°C (77°F), ±0.35% of full scale over temperature range • Response Time: less than 10 µs for 10% to 90% signal change • Power Supply: 12…30 Vdc, external • Power (Current) Requirements: 10 mA plus up to 20 mA per output • Isolation: isolated from RTU logic and chassis • Load Range: 12 Vdc: 0…375Ω, 24 Vdc: 0…925Ω, • Logic End-Of- Scan to Signal Update Latency: typically 18... 27ms
Digital Inputs	12…24 Vdc • Turn on voltage: 9 Vdc (minimum), Turn off voltage: 4 Vdc (maximum) • Over-voltage tolerance: 150% sustained over-voltage without foreseeable damage • DC input current: 0.67 mA at 24 Vdc • Isolation : in group of 8, 1500 Vac from logic supply and chassis
Digital Outputs	relays (Form A) • 4 contacts share one common • Isolation : isolated in groups of 4. Isolated from RTU logic, RTU chassis and other groups to 1500 Vac • Maximum Switching Voltage: 30 Vdc or 250 Vac (resistive) • Maximum Switching Load: 150 W or 1250 VA (5 A)

General

Power Supply	• Analog Inputs & Outputs: 12mA at 12…30 Vdc, plus analog output requirements • Digital Inputs & Outputs: 650mA at 5V, fully loaded
I/O Terminations	5606: 5, 9, 10-pole connectors, 0.0810...3.31mm2 (28...12 AWG), solid or stranded. 5607, 5608 & 5610: 5, 9, 12-pole connectors, 0.0810...3.31mm2 (28...12 AWG), solid or stranded
Dimensions	5606: 211.8mm (8.34") wide, 181.0mm (7.13") high, 46.5mm (1.83") deep 5607, 5608, 5610: 144.0mm (5.65") wide, 181.0mm (7.13") high, 46.5mm (1.83") deep
Enclosure	Corrosion resistant zinc-plated steel with black enamel paint
Environment	• Conformally coated • –40°C (–40°F) to 70°C (158°F) operating, –40°C (–40°F) to 85°C (185°F) storage • 5% RH to 95% RH, non-condensing
Warranty	3 year on parts and labor

Disclaimer: Schneider Electric reserves the right to change product specifications. For more information visit www.schneider-electric.com.

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Specifications – Digital and Analog Inputs/Outputs

Certifications (three versions available: S for standard, X for ATEX/IECEx and U for Class I Div 2)

S version	EMC and radio frequency	FCC 47 CFR Part 15, Subpart B ICES-003 Issue 5 August 2012 CE and RCM markings
	General Safety	UL 508
X version	5607 only - Adds: IECEx/ATEX Class I, Zone 2	
U version	5607 only - Adds: cCSAus Non incendive Electrical Equipment for use in Class I, Division 2, Groups A, B, C and D	

Part numbers

5606 model	no AO: TBUX297328S, TBUX297328X, TBUX297328U with 2AO: TBUX297334S, TBUX297334X, TBUX297334U
5607 model	no AO: TBUX297478S, TBUX297478X, TBUX297478U with 2AO: TBUX297482S, TBUX297482X, TBUX297482U
5608 model (1)	TBUX297177S
5610 model (1)	TBUX297178S

(1) 5608 and 5610 are supported by the SCADAPack 300E only

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