

Product data sheet

Specifications



standard analog input module - Modicon STB - 4 I -15 bits + sign

STBAVI0300

Discontinued on: Sep 9, 2009

Discontinued

Main

Range Of Product	Modicon STB distributed I/O solution
Product Or Component Type	Standard analog input module
Analogue Input Type	Voltage +/- 10 V Voltage +/- 5 V Voltage 0...10 V Voltage 0...5 V Voltage 1...5 V
Analogue Input Number	4
Analogue Input Resolution	15 bits + sign
Type Of Filter	Single low pass input filter 25 Hz

Complementary

Absolute Maximum Input	50 V DC
Cold Swapping	Yes
Hot Swapping Fallback	Yes for standard NIMs
Fallback Status	State 0 basic NIMs User configurable standard NIMs
Data Format	IEC 61131-2 EN 61131-2
Integral Linearity	+/- 0.2 %FS
Differential Linearity	Monotonic
Input Impedance	400 kOhm
Maximum Supply Current For Sensors	100 mA per input channels
Maximum Source Impedance	1 kOhm
Absolute Accuracy Error	+/- 0.75 % of full scale 25 °C
Temperature Drift	+/-0.01 %/°C
Insulation Between Channels And Logic Bus	1500 V for 1 minute
Insulation Between Channels And Sensor Bus	30 V
Addressing Requirement	2 input words
Product Compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA1000
[Us] Rated Supply Voltage	24 V DC
Supply	Power distribution module

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Current Consumption	90 mA 5 V DC logic bus
Marking	CE
Overvoltage Category	II
Status Led	1 LED (Green) module status (RDY) 1 LED (Red) module error (ERR)

Environment

Product Certifications	C-tick CSA FM Class 1 Division 2 ATEX Cat 3G UL
Pollution Degree	2 IEC 60664-1
Operating Altitude	<= 6561.68 ft (2000 m)
Ip Degree Of Protection	IP20 conforming to EN 61131-2 class 1
Ambient Air Temperature For Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature For Operation	- 13...158 °F without derating
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C) without derating
Ambient Air Temperature For Storage	-40...185 °F without derating
Relative Humidity	95 % 140 °F (60 °C) without condensation
Vibration Resistance	+/-0.35 mm 10...58 Hz 3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail
Shock Resistance	30 gn 11 ms IEC 88 reference 2-27

Ordering and shipping details

Category	18215-ADVANTYS STB I/O
Discount Schedule	PC32
Gtin	3595863892307
Returnability	No
Country Of Origin	FR

Contractual warranty

Warranty	18 months
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