

Product data sheet

Specifications



standard analog input module STB - 0..20 mA - 2 I - 12 bits

STBACI1230

⚠ Discontinued on: Sep 9, 2009

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Main

Range Of Product	Modicon STB distributed I/O solution
Product Or Component Type	Standard analog input module
Analogue Input Type	Current 0...20 mA
Analogue Input Number	2
Analogue Input Resolution	12 bits
Type Of Filter	Single low pass input filter 25 Hz

Complementary

Absolute Maximum Input	25 mA/50 V DC
Response Time	5 ms
Cold Swapping	Yes
Hot Swapping Fallback	Yes for standard NIMs
Fallback Status	State 0 basic NIMs User configurable standard NIMs
Data Format	EN 61131-2 IEC 61131-2
Update Time	10 ms
Integral Linearity	+/- 0.1 %FS
Differential Linearity	Monotonic
Input Impedance	<= 300 Ohm
Maximum Supply Current For Sensors	100 mA per input channels
Protection Type	Short-circuit protection
Absolute Accuracy Error	+/- 0.5 % 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	4 input words
Product Compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA1000
[Us] Rated Supply Voltage	24 V DC
Supply	Power distribution module

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	30 mA at 5 V DC for logic bus
Marking	CE
Overvoltage Category	II
Status Led	1 LED (green) module status (RDY) 1 LED (red) module error (ERR)
Depth	70 mm
Height	13.9 mm
Width	128.3 mm
Net Weight	0.116 kg

Environment

Product Certifications	C-Tick CSA ATEX Cat 3G FM Class 1 Division 2 UL
Pollution Degree	2 conforming to IEC 60664-1
Operating Altitude	<= 2000 m
Ip Degree Of Protection	IP20 conforming to EN 61131-2 class 1
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Operation	32...140 °F without derating
Ambient Air Temperature For Storage	-40...85 °C without derating
Ambient Air Temperature For Storage	-40...185 °F without derating
Relative Humidity	95 % at 60 °C without condensation
Vibration Resistance	+/-0.35 mm at 10...58 Hz 3 gn at 58...150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58...150 Hz on 35 x 15 mm symmetrical DIN rail
Shock Resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27

Contractual warranty

Warranty	18 months
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