

Product datasheet

Specifications



analog input module Twido - 24 V DC supply - 2 inputs 0-10V, 4-20 mA

TWDAMI2HT

! Discontinued

! Discontinued on: 1 Jan 2008

! End-of-service on: 31 Dec 2021

Main

Range Of Product	Twido
Product Or Component Type	Analogue input module
Analogue Input Number	2
Analogue Input Type	Current 4...20 mA differential Voltage 0...10 V non differential
Analogue Input Resolution	12 bits
I/O Connection	Removable screw terminal block
Cross Talk	<= 2 LSB

Complementary

Input Level	High level
Lsb Value	2.5 mV, analogue input type: voltage 4.8 µA, analogue input type: current
Permissible Continuous Overload	13 V, analogue input type: voltage 40 mA, analogue input type: current
Input Impedance	>= 1000000 Ohm voltage 10 Ohm current
Sampling Duration	16 ms
Sampling Repetition Time	16 ms
Acquisition Period	16 ms per channel + 1 controller cycle time
Measurement Error	+/- 0.2 % of full scale 0...10 V 0...10 V at 25 °C +/- 0.2 % of full scale 4...20 mA 4...20 mA at 25 °C
Temperature Coefficient	+/-0.006 %FS/°C, analogue input type: current +/-0.006 %FS/°C, analogue input type: voltage
Repeat Accuracy	+/-0.5 %FS
Non-Linearity	+/- 0.2 %FS, analogue input type: current +/- 0.2 %FS, analogue input type: voltage
Total Error	+/-1 %FS, analogue input type: current +/-1 %FS, analogue input type: voltage
Common Mode Rejection	- 50 dB
Type Of Cable	Shielded twisted pair
Insulation Between Channel And Internal Logic	Photocoupler
Supply	External supply

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

[Us] Rated Supply Voltage	24 V DC
Supply Voltage Limits	20.4...28.8 V
Current Consumption	50 mA at 5 V DC 60 mA at 24 V DC
Marking	CE
Net Weight	0.085 kg

Environment

Dielectric Strength	500 V between the inputs and the supply circuit
Product Certifications	UL CSA
Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	0...55 °C
Ambient Air Temperature For Storage	-25...70 °C

Contractual warranty

Warranty	18 months
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