

Product datasheet

Specifications



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

TWDAMI2HT

! Discontinued on: 01 January 2008

! End-of-service on: 31 December 2021

! Discontinued

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
[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
Product 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
----------	-----------

Recommended replacement(s)

TWDAMI2HT is replaced by:

1x



I/O expansion module, Modicon M238 logic controller, Twido, 2 inputs voltage/current high level, non differential, wear part
TM2AMI2HT