Product datasheet

Specifications

Discontinued

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

TWDAMI2HT

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
[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 (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Longer

Lifetime extension

Repair	No