

Schneider Series Service Manual

TM2AMI2HT

1. Description

Schneider TM2AMI2HT - Analog input module, Modicon M238 logic controller, 2 inputs voltage/current high level, non differential.

3. Product Information

Schneider TM2AM12HT - Analog input module, Modicon M238 logic controller, 2 inputs voltage/current high level, non differential.

Main

Range of product

Modicon M238 logic controller

Product or component type

I/O expansion module

Analogue input number

2

Input level

High level

Analogue input type

current 4...20 mA non differential

voltage 0...10 V non differential

Cross talk

≤ 2 LSB

Complementary

Range compatibility

Twido

Advantys OTB

Analogue input resolution

12 bits

LSB value

2.5 mV voltage voltage

4.8 μ A current current

Permissible continuous overload

40 mA, analogue input type: current

13 V, analogue input type: voltage

Input impedance

≥ 1 MOhm voltage

10 Ohm current

Sampling duration

10 ms

Acquisition period

10 ms per channel + 1 controller cycle time

Measurement error

± 0.2 % of full scale at 25 °C

Temperature coefficient

± 0.006 %FS/°C

Repeat accuracy

± 0.5 %FS

Non-linearity

± 0.2 %FS

Total error

± 1 %FS

Type of cable

Shielded cable

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

Electrical connection

1 removable screw terminal block

Current consumption

50 mA at 5 V DC internal

40 mA at 24 V DC external

Product weight
0.085 kg

Environment

Dielectric strength
500 V between the I/O and the external supply circuit
500 V between the I/O and internal logic

Width
23.5 mm

Depth
70 mm

Height
90 mm

Packing Units

Unit Type of Package 1
PCE

Number of Units in Package 1
1

Package 1 Height
7.5 cm

Package 1 Width
10.5 cm

Package 1 Length
13.0 cm

Package 1 Weight
197.0 g