

TM2AMM6HT Manual

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| Brand | - |
| Product Series | Sheet1 |
| Product Type | Input/output analog module |

Description

TM2AMM6HT Schneider Electric

Main

Range of product Modicon M238 logic controller
 Product or component type Input/output analog module
 Analogue input number 4
 Input level High level
 Analogue input type Current 4...20 mA non differential
 Voltage 0...10 V non differential
 Analogue output number 2
 Analogue output type Current 4...20 mA
 Voltage 0...10 V
 Cross talk ≤ 2 LSB
 Complementary
 Range compatibility Advantys OTB
 Twido
 Analogue input resolution 12 bits
 Analogue output resolution 12 bits
 LSB value 2.5 mV voltage voltage
 4 μ A current current
 Permissible continuous overload 13 V voltage
 40 mA current
 Input impedance ≤ 250 MOhm current
 ≥ 1 Ohm voltage
 Load type Resistive
 Load impedance ohmic ≤ 300 Ohm current
 ≥ 2000 Ohm voltage
 Stabilisation time 20 ms
 Conversion time 20 ms + 1 controller cycle time
 Sampling duration ≤ 16 ms
 Acquisition period 16 ms per channel + 1 controller cycle time
 Measurement error ± 0.5 % of full scale 0...10 V 25 °C
 ± 0.5 % of full scale 4...20 mA 25 °C
 ± 0.9 % of full scale 0...10 V 25 °C
 ± 0.9 % of full scale 4...20 mA 25 °C
 Temperature coefficient ± 0.02 %FS/°C 0...10 V
 ± 0.02 %FS/°C 4...20 mA
 ± 0.015 %FS/°C 0...10 V 0...10 V
 ± 0.015 %FS/°C 4...20 mA 4...20 mA

Repeat accuracy +/- 1 %FS output
+/-0.5 %FS input
Non-linearity +/- 0.4 %FS current
+/- 0.4 %FS voltage
+/- 0.5 %FS current
+/- 0.5 %FS voltage
Output error +/- 1 %FS
Output ripple <= 1 LSB
Total error +/- 1.5 %FS current
+/- 1.5 %FS voltage
+/-1 %FS current current
+/-1 %FS voltage voltage
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 19.2...30 V

Electrical connection 1 removable screw terminal block

Current consumption 60 mA 5 V DC internal

80 mA 24 V DC external

Product weight 0.19 lb(US) (0.085 kg)

Environment

dielectric strength 1500 V between the I/O and the external supply circuit

800 V between I/O channel

800 V between the I/O and internal logic

width 0.93 in (23.5 mm)

depth 2.76 in (70 mm)

height 3.54 in (90 mm)

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