

TM3AI2HG

Schneider Electric TM3AI2HG - module TM3 - 2 analog inputs high resolution spring

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	TM3AI2HG
PRODUCT FAMILY	CATEGORY
Modicon TM3	Analog input module
SUPPLY BASIS	RECORD IDENTITY
RFQ / on request - no stock claim	Catalog identity matched

PRODUCT DESCRIPTION

This product is part of the Modicon TM3 range, an offer of expansion I/O modules for Modicon M221, M241, M251 and M262. The analogue input module provides 2 inputs with 15bit + sign and 16bit resolution. It is an input module with a rated supply voltage of 24V DC and a current consumption of 30mA at 5V DC via bus connector no load, 40mA at 5V DC via bus connector full load, 25mA at 24V DC via external supply. This product is capable of controlling variable speed drives or any device equipped with a current or voltage input. There is an insulation between input and supply at 1500V AC, input and internal logic at 500V AC. It is furnished with removable spring terminal for electrical connection with 5.08mm pitch adjustment for inputs and supply. It is an IP20 rated product. Its dimensions are 23.6mm (Width) x 70mm (Depth) x 90mm (Height). It weighs 0.1kg. This product is certified by CE. It meets EN/IEC 61131-2 and EN/IEC 61010-2-201 standards. This module is compatible with Modicon M241, Modicon M251 and Modicon M221 logic controller. It supports top hat type TH35-15, top hat type TH35-7.5 rail conforming to IEC 60715 and plate or panel with fixing kit mount. Modicon TM3 expansion modules have been designed with a simple interlocking assembly mechanism. A bus expansion connector is used to distribute data and the power supply when assembling the Modicon TM3 modules with logic controllers. Boost the performance of your controller with the Modicon TM3 I/O system specially designe

RECORDED SPECIFICATIONS

LSB value	2.44 mV, 0...10 V 4.88 mV, - 10...10 V 4.88 µA, 0...20 mA 3.91 µA, 4...20 mA
Cross talk	<= 1 LSB
Type of cable	Twisted shielded pairs cable <30 m for input circuit
Conversion time	1 ms + 1 ms per channel + 1 controller cycle time
Input impedance	>= 1 MOhm
Repeat accuracy	+/-0.5 %FS
Range of product	Modicon TM3
Sampling duration	1 ms
Official lifecycle	Current official manufacturer lifecycle evidence
Analogue input type	Current 4...20 mA Current 0...20 mA Voltage 0...10 V Voltage - 10...10 V

ADDITIONAL SPECIFICATIONS

Range compatibility	Modicon M221 Modicon M241 Modicon M251 Modicon M262
Analogue input number	2
Electrical connection	
Absolute accuracy error	+/- 0.1 % of full scale at 25 °C +/- 1 % of full scale
Manufacturer part number	TM3AI2HG
Analogue input resolution	16 bits 15 bits + sign
Product or component type	Analog input module
Permissible continuous overload	13 V, analogue input type: voltage 40 mA, analogue input type: current

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.