

Product data sheet Characteristics

TM2DAI8DT

Discrete input module, Modicon M238 logic controller, 8 inputs 120 V AC, 1 remvbl screw terminal block





Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete input module
Discrete input number	8
Discrete input voltage	120 V
Discrete input voltage type	AC

Complementary

Complementary			
Range compatibility	Twido		
	Advantys OTB		
Input voltage limits	85132 V		
Discrete input current	7.5 mA		
Input impedance	11 kOhm		
Number of common point	1		
Response time	25 ms at state 1		
	30 ms at state 0		
Isolation between channels	None		
Isolation between channels and internal logic	1500 V for 1 minute		
Current consumption	55 mA at 5 V DC at state 1		
Local signalling	1 display block		
Electrical connection	1 removable screw terminal block		
Mounting support	35 mm symmetrical DIN rail		
Net weight	0.085 kg		

Environment

Depth	70 mm	
Height	90 mm	
Width	23.5 mm	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	7.7 cm	
Package 1 Width	10.5 cm	
Package 1 Length	12.5 cm	
Package 1 Weight	155.0 g	
Unit Type of Package 2	S03	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interested for a set of for determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Number of Units in Package 2	18
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.305 kg

Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation	☑ REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
Mercury free	Yes			
China RoHS Regulation	☑ China RoHS Declaration			
RoHS exemption information	€Yes			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	☑ End Of Life Information			
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins			
PVC free	Yes			

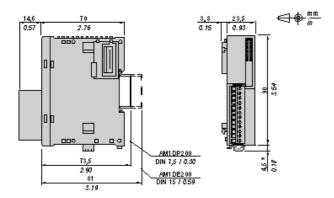
Contractual warranty

Warranty	18 months
----------	-----------

TM2DAI8DT

Digital Input Module (8-channel, 120 Vac)

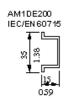
Dimensions



NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

TM2DAI8DT

DIN Rail Mounting









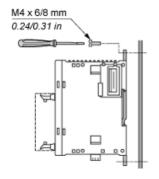


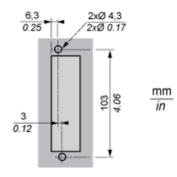
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout





TM2DAI8DT

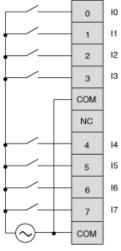
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

0.35 mm in.	11		₽	all a			
mm ²	0,141,5	0,250,5	0,251,5	0,140,5	0,140,75	0,250,34	0,5
AWG	2616	2420	2416	2620	2618	2422	20

Digital Input Module (8-channel, 120 Vac)

Wiring Diagram



The two COM terminals are not connected together internally.