

TM2DDI8DT

Discrete input module, Modicon M238 logic controller, 8 inputs 24 V DC, 1 removable 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	24 V
Discrete input voltage type	DC

Complementary

Range Compatibility	Advantys OTB Twido
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink or source
Discrete input current	7 mA
Input impedance	3.4 kOhm
Number of common point	1
Response time	4 ms at state 0 4 ms at state 1
Isolation between channels	None
Isolation between channels and internal logic	500 V for 1 minute
Current consumption	25 mA 5 V DC at state 1 for all input
Local signalling	1 display block
Electrical connection	1 removable screw terminal block
Mounting Support	35 mm symmetrical DIN rail
Net Weight	0.22 lb(US) (0.1 kg)

Environment

Depth	3.33 in (84.6 mm)
Height	3.54 in (90 mm)
Width	0.93 in (23.5 mm)

Ordering and shipping details

Category	22531-PLCS, TWIDO, TWD
Discount Schedule	PC12
GTIN	3595863995756
Nbr. of units in pkg.	1
Package weight(Lbs)	6.42 oz (182 g)
Returnability	No
Country of origin	JP

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.99 in (7.6 cm)
Package 1 width	4.17 in (10.6 cm)
Package 1 Length	5.04 in (12.8 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Weight	4.66 lb(US) (2.116 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

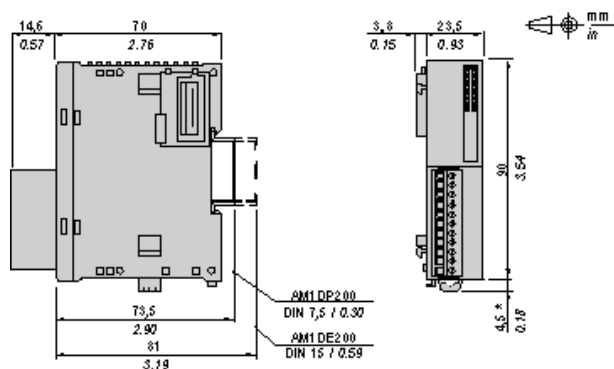
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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
----------	-----------

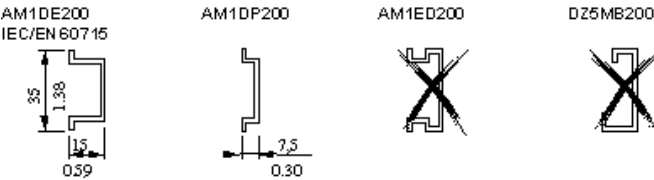
Digital Input Module (8-channel, 24 Vdc)

Dimensions



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

DIN Rail Mounting

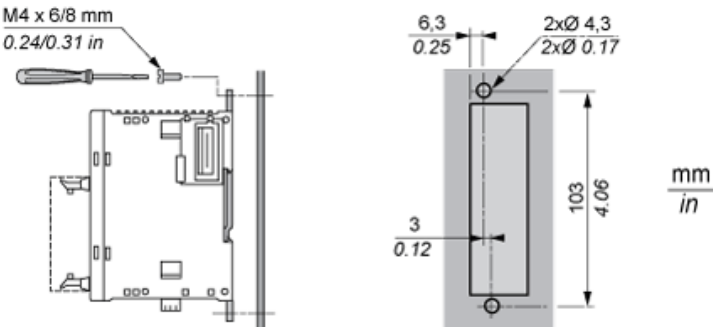


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout



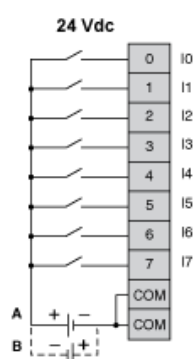
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

mm ²	0,14...1,5	0,25...0,5	0,25...1,5	0,14...0,5	0,14...0,75	0,25...0,34	0,5
AWG	26...16	24...20	24...16	26...20	26...18	24...22	20

Digital Input Module (8-channel, 24 Vdc)

Wiring Diagram



A Sink wiring (positive logic)

B Source wiring (negative logic)

The COM terminals are connected together internally.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[TM2DDI8DT](#)