Product data sheet

Specifications

I/O expansion module, Modicon M238 logic controller, Twido, 8 inputs 24VDC, 1 removable screw terminal block, wear part

TM2DDI8DT

⚠ **Discontinued - Service only**

⚠ Discontinued on: Dec 1, 2020

⚠ To be end-of-service on: Jun 30, 2024

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Of Product	Modicon M238 logic controller
Product Or Component Type	I/O expansion module
Discrete Input Number	8
Discrete Input Voltage	24 V
Discrete Input Voltage Type	DC

Complementary

Range Compatibility	Twido Advantys OTB
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)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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Ordering and shipping details

Category	US1PC1222531
Discount Schedule	PC12
Gtin	3595863995756
Returnability	No
Country Of Origin	JP

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
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)
Package 1 Weight	6.42 oz (182.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	10
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.66 lb(US) (2.116 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✅ Reach Free Of Svhc

✅ Mercury Free

✅ Rohs Exemption Information   Yes

✅ Pvc Free

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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

Dimensions Drawings

Digital Input Module (8-channel, 24 Vdc)

Dimensions
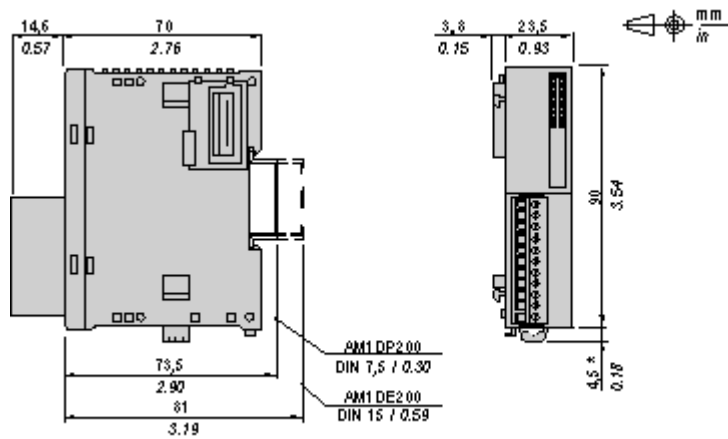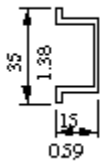

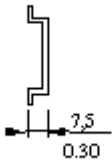NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

Mounting and Clearance

DIN Rail Mounting

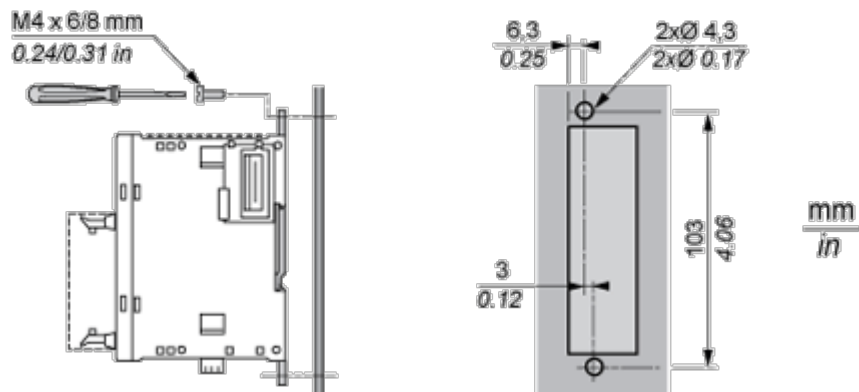AM1DE200 IEC/EN 60715   AM1DP200   AM1ED200   DZ5MB200

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

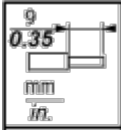NOTE: Do not use AM1ED200 and DZ5MB200
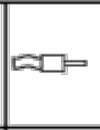
Module Mounting on a Panel Surface

Mounting Hole Layout

M4 x 6/8 mm
0.24/0.31 in

6,3
0.25

2xØ 4,3
2xØ 0,17

3
0.12

103
4.06

mm
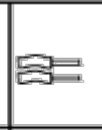in
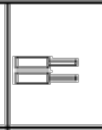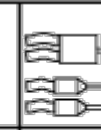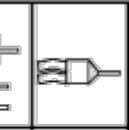
Connections and Schema

Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

9 0.35 mm in.							
mm²	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
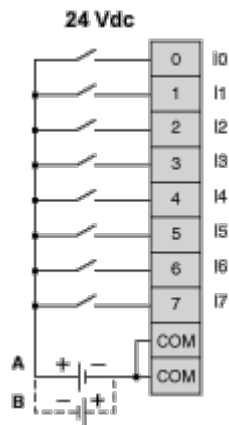
A   Sink wiring (positive logic)

B   Source wiring (negative logic)

The COM terminals are connected together internally.

Apr 25, 2024