Product datasheet

Specifications

Discrete input module, Modicon M238 logic controller, 32 inputs 24 V DC, 1 connector HE10

TM2DDI32DK

⚠ To be discontinued on: 30-Jun-2024

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

⚠ **Discontinued - Service only**

Main

Range Of Product	Modicon M238 logic controller
Product Or Component Type	Discrete input module
Discrete Input Number	32
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	5 mA
Input Impedance	4.4 kOhm
Number Of Common Point	2
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	65 mA at 5 V DC at state 1 for all input
Local Signalling	2 display blocks
Electrical Connection	1 connector HE10
Mounting Support	35 mm symmetrical DIN rail
Net Weight	0.081 kg

Environment

Depth	81.3 mm
Height	90 mm
Width	29.7 mm

Packing Units

Unit Type Of Package 1	PCE

Number Of Units In Package 1	1
Package 1 Height	7.552 cm
Package 1 Width	10.567 cm
Package 1 Length	12.869 cm
Package 1 Weight	201.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	25
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.64 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

Dimensions Drawings

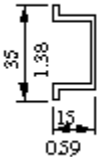**Digital Input Module (32-channel, 24 Vdc)**

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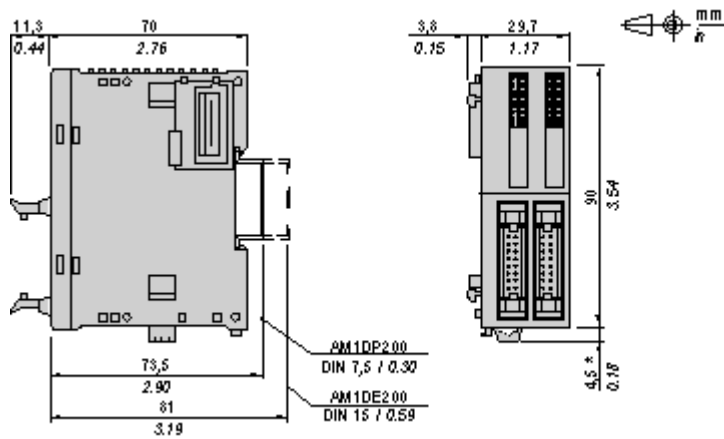
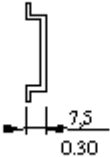NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

Mounting and Clearance

DIN Rail Mounting
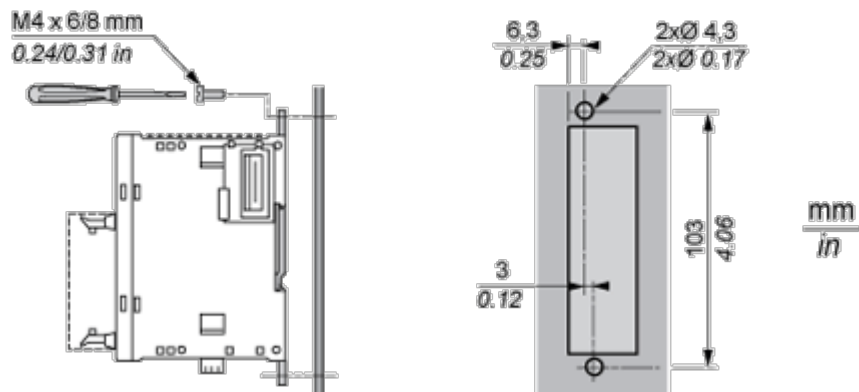
AM1DE200
IEC/EN 60715

AM1DP200

AM1ED200

DZ5MB200

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

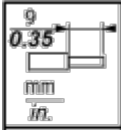NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

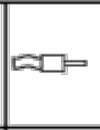**Mounting Hole Layout**

M4 x 6/8 mm
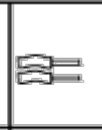0.24/0.31 in

6,3
0.25

2xØ 4,3
2xØ 0.17

103
4.06

3
0.12

mm
in
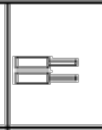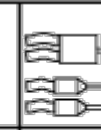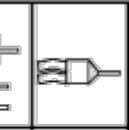
Connections and Schema

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 (32-channel, 24 Vdc)

Wiring Diagram
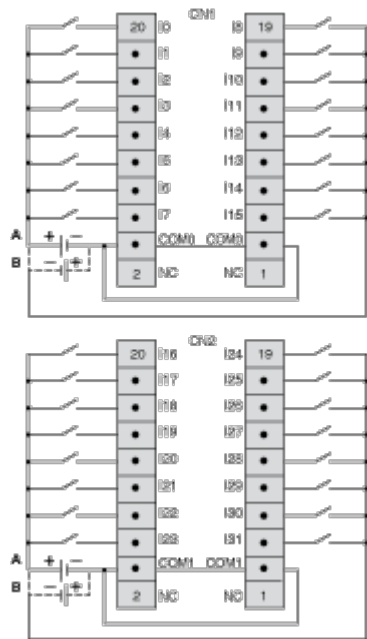
A   Sink wiring (positive logic)

B   Source wiring (negative logic)