

Product data sheet

Specifications



Discrete input module, Modicon M238 logic controller, 16 inputs 24VDC, 1 connector HE10

TM2DDI16DK

⚠ Discontinued on: Sep 27, 2024

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

Main

Range of Product	Modicon M238 logic controller
Product or Component Type	Discrete input module
Discrete input number	16
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	5 mA
Input impedance	4.4 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	35 mA 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	0.2 lb(US) (0.1 kg)

Environment

Depth	3.2 in (81.3 mm)
Height	3.5 in (90 mm)
Width	0.8 in (21.4 mm)

Ordering and shipping details

Category	US1PC1222531
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Discount Schedule	PC12
GTIN	3595863995732
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.0 in (7.5 cm)
Package 1 Width	4.1 in (10.5 cm)
Package 1 Length	5.1 in (13.0 cm)
Package weight(Lbs)	5.9 oz (168.0 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
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
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



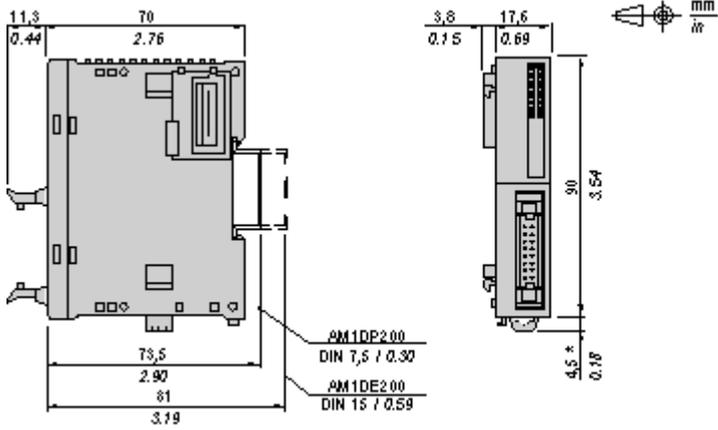
Repack and remanufacture

WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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Dimensions Drawings

Digital Input Module (16-channel, 24 Vdc)

Dimensions

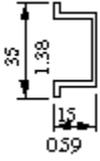


NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

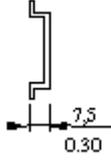
Mounting and Clearance

DIN Rail Mounting

AM1DE200
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200

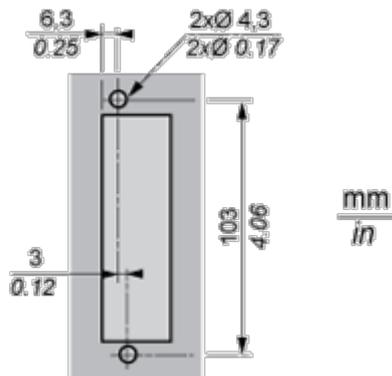
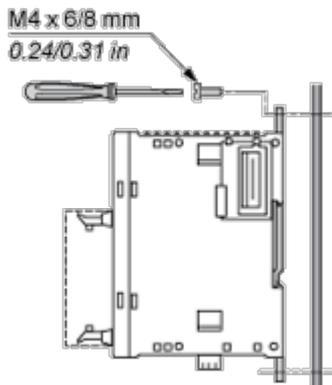


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

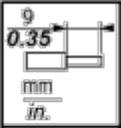
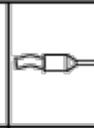
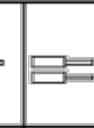
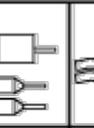
Mounting Hole Layout



Connections and Schema

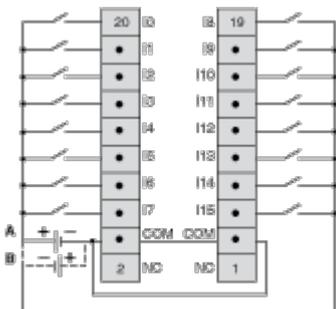
Wiring Requirements

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 (16-channel, 24 Vdc)

Wiring Diagram



- A Sink wiring (positive logic)
- B Source wiring (negative logic)