



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 1 4 ms at state 0
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
Product weight	0.1 kg

Environment

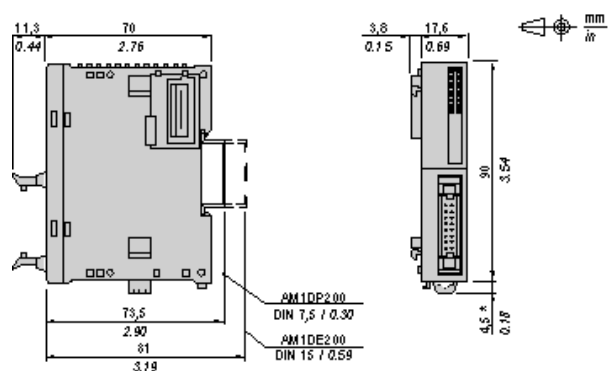
Depth	81.3 mm
Height	90 mm
Width	21.4 mm

Offer Sustainability

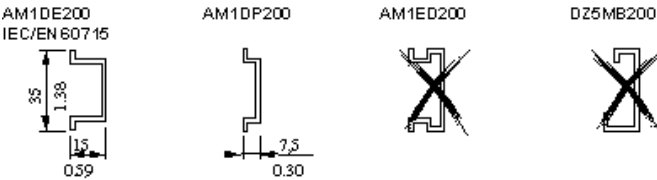
Sustainable offer status	Not Green Premium product
Product environmental profile	Available  Download Product Environmental

Digital Input Module (16-channel, 24 Vdc)

Dimensions



DIN Rail Mounting

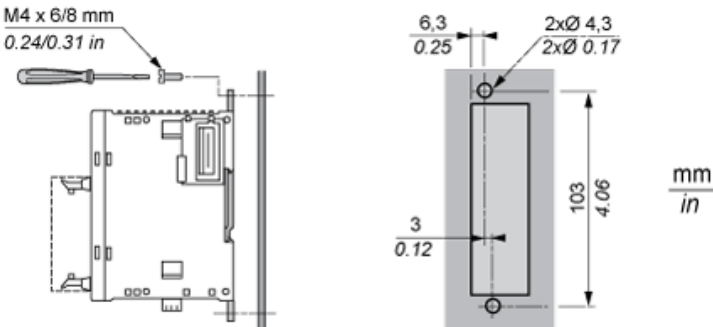


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

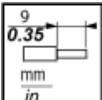
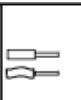
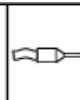
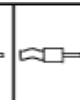
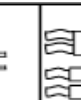
Module Mounting on a Panel Surface

Mounting Hole Layout



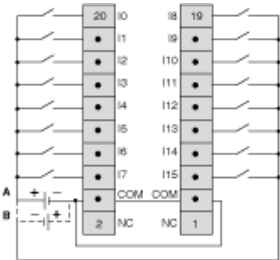
Wiring Requirements

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

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Wiring Diagram



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