Product data sheet
Characteristics

TM2DAI8DT

Discrete input module, Modicon M238 logic controller, 8 inputs 120 V AC, 1 remvbl screw terminal block

Green Premium™

Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete input module
Discrete input number	8
Discrete input voltage	120 V
Discrete input voltage type	AC

Complementary

Range compatibility	Twido Advantys OTB
Input voltage limits	85...132 V
Discrete input current	7.5 mA
Input impedance	11 kOhm
Number of common point	1
Response time	25 ms at state 1 30 ms at state 0
Isolation between channels	None
Isolation between channels and internal logic	1500 V for 1 minute
Current consumption	55 mA at 5 V DC at state 1
Local signalling	1 display block
Electrical connection	1 removable screw terminal block
Mounting support	35 mm symmetrical DIN rail
Net weight	0.085 kg

Environment

Depth	70 mm
Height	90 mm
Width	23.5 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.7 cm
Package 1 Width	10.5 cm
Package 1 Length	12.5 cm
Package 1 Weight	155.0 g
Unit Type of Package 2	S03

Number of Units in Package 2	18
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.305 kg

Offer Sustainability

| Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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

Life Is On | Schneider Electric

Digital Input Module (8-channel, 120 Vac)

Dimensions
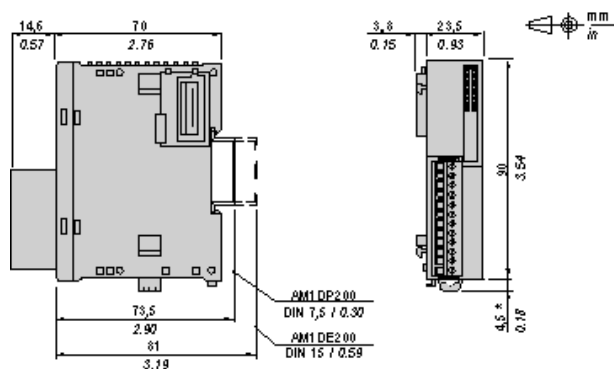
NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.
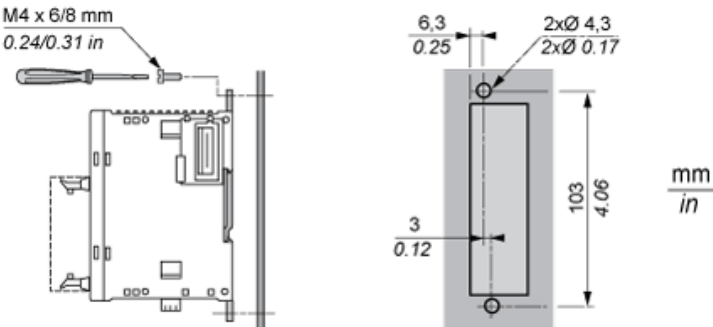
TM2DAI8DT

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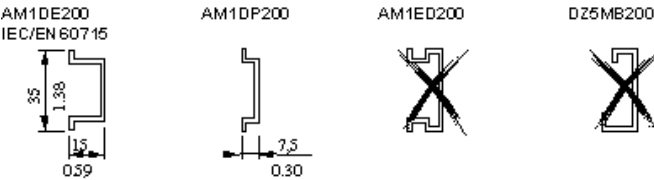
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

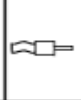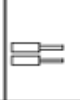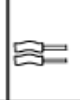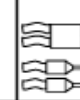NOTE: Do not use AM1ED200 and DZ5MB200
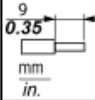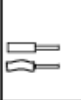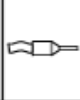
Module Mounting on a Panel Surface

Mounting Hole Layout

Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

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, 120 Vac)

Wiring Diagram
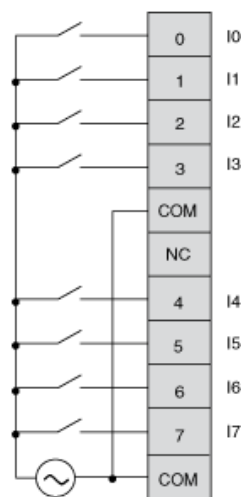
The two COM terminals are not connected together internally.