



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	Advantys OTB Twido
Input voltage limits	85...132 V
Discrete input current	7.5 mA
Input impedance	11 kOhm
Number of common point	1
Response time	30 ms at state 0 25 ms at state 1
Isolation between channels	None
Isolation between channels and internal logic	1500 V for 1 minute
Current consumption	55 mA 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
Product weight	0.085 kg

Environment

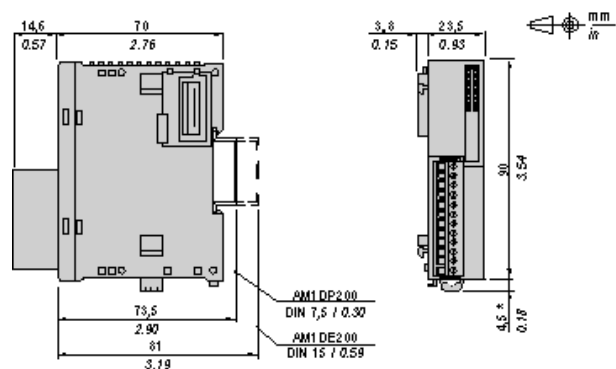
Depth	70 mm
Height	90 mm
Width	23.5 mm

Offer Sustainability

Sustainable offer status	Green Premium product
Product environmental profile	Available
Product end of life instructions	Available

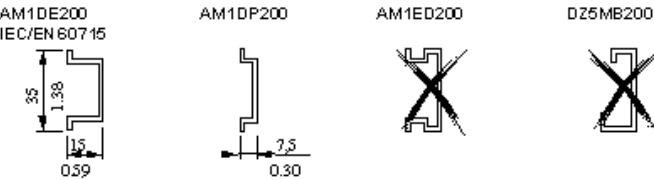
Digital Input Module (8-channel, 120 Vac)

Dimensions



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

DIN Rail Mounting

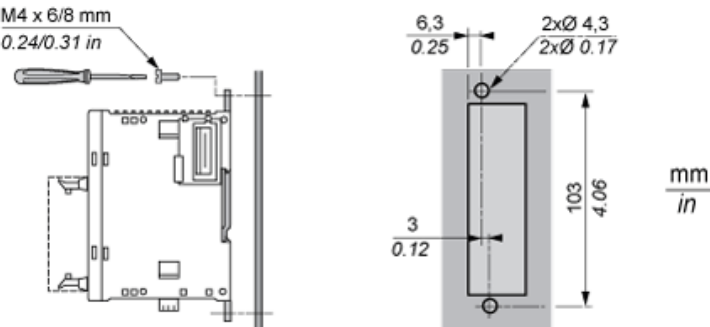


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout



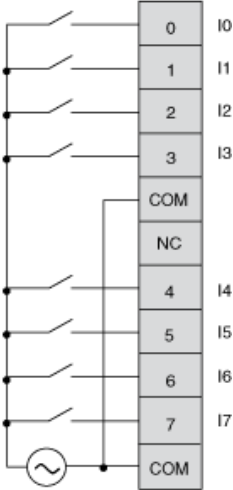
Wiring Requirements

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

Digital Input Module (8-channel, 120 Vac)

Wiring Diagram



The two COM terminals are not connected together internally.