



## Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete I/O module
Discrete input number	4
Discrete input voltage	24 V
Discrete input voltage type	DC
Discrete output number	4
Discrete output type	Relay

## Complementary

Range compatibility	Advantys OTB Twido
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink or source
Discrete input current	7 mA
Input impedance	3.4 kOhm
Discrete output function	1 NO
Current per channel	2...5 A
Current per output common	7 A
Number of common point	1 for input 1 for output
Contact resistance	<= 45 mOhm
Response time	4 ms at state 1 input 4 ms at state 0 input <= 5 ms from state 1 to state 0 output <= 10 ms from state 0 to state 1 output
Minimum switching current	0.1 mA 0.1 V DC
Isolation between channels	None
Isolation between channels and internal logic	500 V for 1 minute (input) 2300 V for 1 minute (output)
Isolation between input channels and output channels	1500 V for 1 minute
Isolation between output channels group	1500 V for 1 minute
Mechanical durability	20000000 cycles
Electrical durability	100000 cycles 2 A 30 V DC resistive 100000 cycles 2 A 240 V AC resistive 100000 cycles 1 A DC-13 24 V DC inductive (L/R = 7 ms) 100000 cycles 1 A AC-15 240 V AC cos phi = 0.7 inductive 100000 cycles 0.5 A AC-15 240 V AC cos phi = 0.35 inductive
Current consumption	25 mA 5 V DC at state 1 for all input/output 20 mA 24 V DC at state 1 for all input/output
Local signalling	1 display block
Electrical connection	1 removable screw terminal block
Mounting support	35 mm symmetrical DIN rail
Product weight	0.095 kg

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## Environment

Depth	70 mm
Height	90 mm
Width	42.9 mm

## Offer Sustainability

Sustainable offer status	Not Green Premium product
ROHS	Compliant - since 0830 - <a href="#">download declaration of conformity</a>

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Digital Mixed I/O Module (8-channel)

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Dimensions

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

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DIN Rail Mounting

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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

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Module Mounting on a Panel Surface

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Mounting Hole Layout

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Wiring Requirements

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Cable Types and Wire Sizes for Removable Screw Terminal Block

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Wiring Diagram

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

Fuse value for the load: 2 A

Fuse value for the power supply: 7 A