

TM2DRA16RT

discrete output module M238 - 16 outputs relay- 1
removable screw terminal block



Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete output module
Discrete output number	16
Discrete output type	Relay

Complementary

Range compatibility	Advantys OTB Twido
Discrete output function	1 NO
Current per channel	2...5 A
Current per output common	8 A
Number of common point	2
Contact resistance	$\leq 45 \text{ m}\Omega$
Response time	$\leq 10 \text{ ms}$ from state 0 to state 1 input $\leq 5 \text{ ms}$ from state 1 to state 0 input
Minimum switching current	0.1 mA 0.1 V DC
Isolation between channels	1500 V for 1 minute
Isolation between channels and internal logic	2300 V for 1 minute
Isolation between output channels group	1500 V for 1 minute
Mechanical durability	20000000 cycles
Electrical durability	100000 cycles 0.5 A AC-15 240 V AC $\cos \phi = 0.35$ inductive 100000 cycles 1 A AC-15 240 V AC $\cos \phi = 0.7$ inductive 100000 cycles 1 A DC-13 24 V DC inductive (L/R = 7 ms) 100000 cycles 2 A 240 V AC resistive 100000 cycles 2 A 30 V DC resistive
Current consumption	30 mA 5 V DC at state 1 for all output 40 mA 24 V DC at state 1 for all output
Local signalling	1 display block

Electrical connection	1 removable screw terminal block
Mounting support	35 mm symmetrical DIN rail
Product weight	0.145 kg

Environment

Depth	84.6 mm
Height	90 mm
Width	27.3 mm

Offer Sustainability

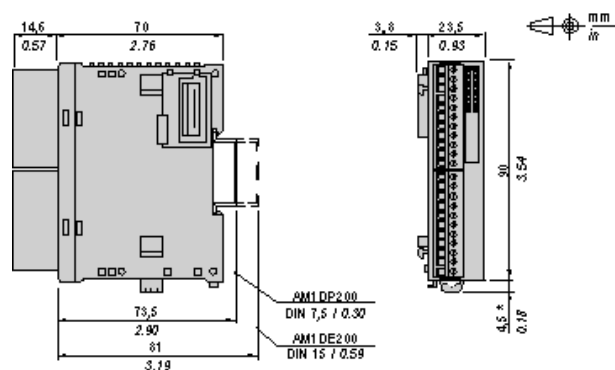
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available  Product environmental
Product end of life instructions	Available  End of life manual

Contractual warranty

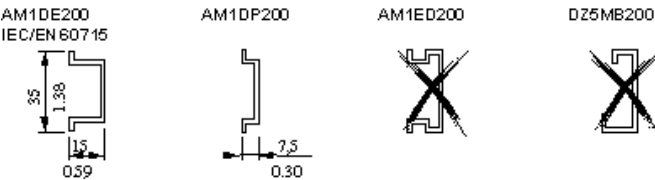
Warranty period	18 months
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Digital Relay Output Module (16-contact)

Dimensions



DIN Rail Mounting

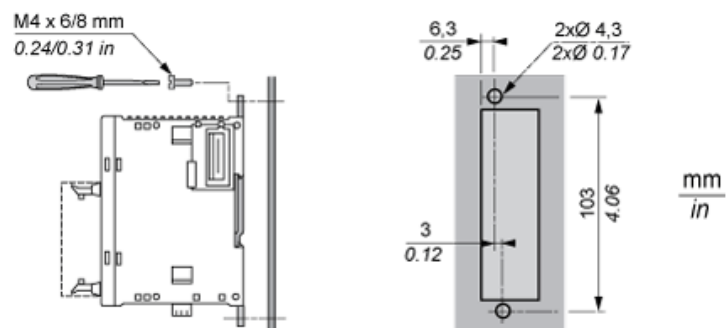


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

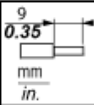
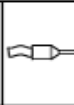
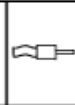
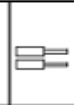
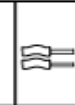
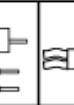
Module Mounting on a Panel Surface

Mounting Hole Layout



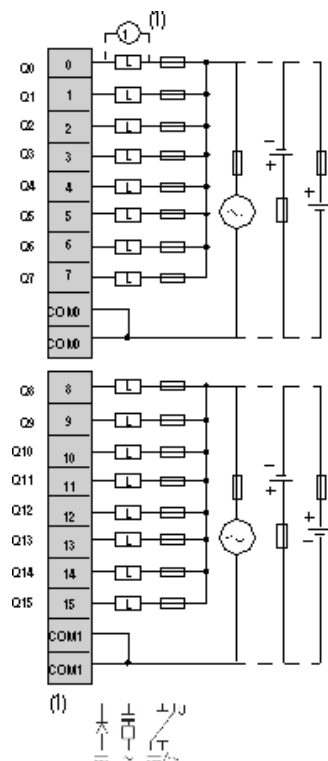
Wiring Requirements

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



L Load