Product data sheet
Characteristics

TM2DDO8UT
discrete output module M238 - 8 outputs - 1 removable screw terminal block

Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete output module
Discrete output number	8
Discrete output type	Transistor
Discrete output voltage	24 V
Discrete output logic	Sink
Discrete output current	0.3 A

Complementary

Range compatibility	Advantys OTB Twido
Output voltage limits	20.4...28.8 V
Current per channel	0.36 A
Maximum current per output common	3 A
Number of common point	1
Response time	300 µs at state 0 300 µs at state 1
[Ures] residual voltage	1 V at state 1
Maximum tungsten load	8 W
Short-circuit protection	Without
Overload protection	Without
Isolation between channels	None
Isolation between channels and internal logic	500 V for 1 minute
Current consumption	10 mA at 5 V DC at state 1 for all output 20 mA at 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
Net weight	0.085 kg

Environment

Depth	84.6 mm
Height	90 mm
Width	27.3 mm

Packing Units

|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	10.5 cm
Package 1 Length	12.5 cm
Package 1 Weight	182.0 g

Offer Sustainability

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REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
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
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

TM2DDO8UT

Digital Transistor Output Module (8-channel, Sink)

Dimensions

NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.
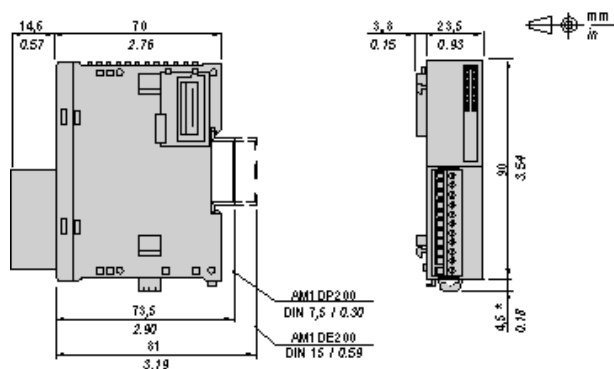
DIN Rail Mounting
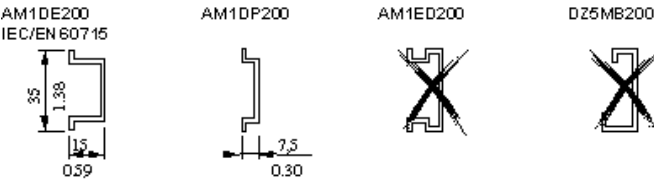
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

### Mounting Hole Layout

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Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

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 Transistor Output Module (8-channel, Sink)

Wiring Diagram

L   Load