Product data sheet
Characteristics

TM2DDO32UK
discrete output module M238 - 32 outputs 24 V transistor - 1 connector HE10

Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete output module
Discrete output number	32
Discrete output type	Transistor
Discrete output voltage	24 V
Discrete output logic	Sink
Discrete output current	0.1 A

Complementary

Range compatibility	Advantys OTB Twido
Output voltage limits	20.4...28.8 V
Current per channel	0.12 A
Maximum current per output common	1 A
Number of common point	2
Response time	300 µs from state 0 to state 1 300 µs from state 1 to state 0
[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	20 mA at 5 V DC at state 1 for all output 70 mA at 24 V DC at state 1 for all output
Local signalling	2 display blocks
Electrical connection	1 connector HE10
Mounting support	35 mm symmetrical DIN rail
Net weight	0.105 kg

Environment

Depth	81.3 mm
Height	90 mm
Width	33.5 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	10.5 cm
Package 1 Length	13.0 cm

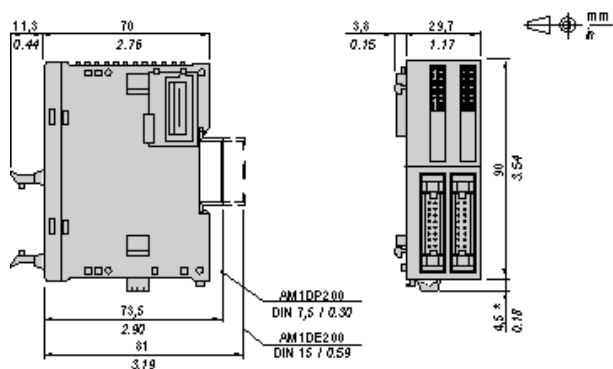|	
Package 1 Weight	205.0 g
Unit Type of Package 2	S04
Number of Units in Package 2	40
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	8.2 kg

Offer Sustainability

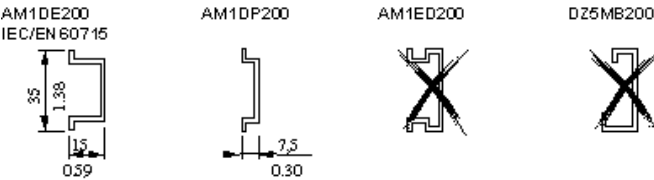|	
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months

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TM2DDO32UK

Digital Transistor Output Module (32-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
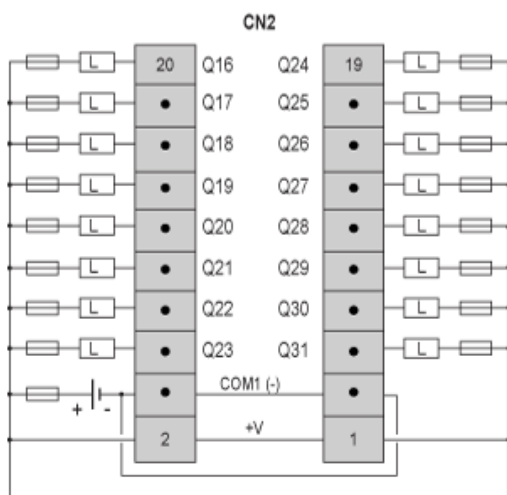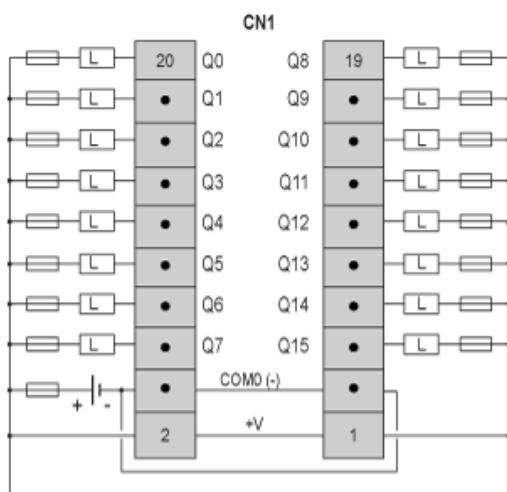
Module Mounting on a Panel Surface

Mounting Hole Layout
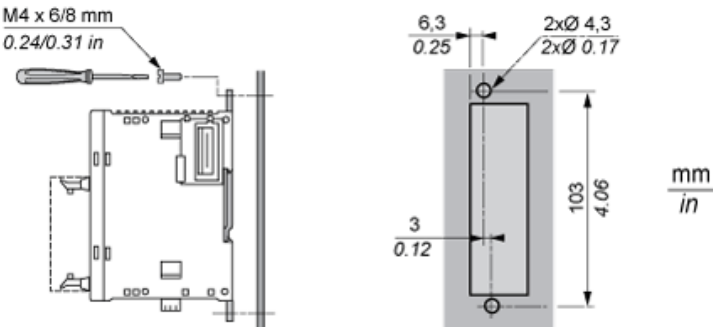
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

$\frac{9}{0.35}$ mm / in.							
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 Transistor Output Module (32-channel, Sink)

Wiring Diagram

L   Load

Fuse value for the load: 0.125 A

Fuse value for the power supply: 2 A