Product data sheet
Characteristics

TM2DDI32DK

Discrete input module, Modicon M238 logic controller, 32 inputs 24 V DC, 1 connector HE10

Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete input module
Discrete input number	32
Discrete input voltage	24 V
Discrete input voltage type	DC

Complementary

Range compatibility	Twido Advantys OTB
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink or source
Discrete input current	5 mA
Input impedance	4.4 kOhm
Number of common point	2
Response time	4 ms at state 0 4 ms at state 1
Isolation between channels	None
Isolation between channels and internal logic	500 V for 1 minute
Current consumption	65 mA at 5 V DC at state 1 for all input
Local signalling	2 display blocks
Electrical connection	1 connector HE10
Mounting support	35 mm symmetrical DIN rail
Net weight	0.081 kg

Environment

Depth	81.3 mm
Height	90 mm
Width	29.7 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.552 cm
Package 1 Width	10.567 cm
Package 1 Length	12.869 cm
Package 1 Weight	201.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	25

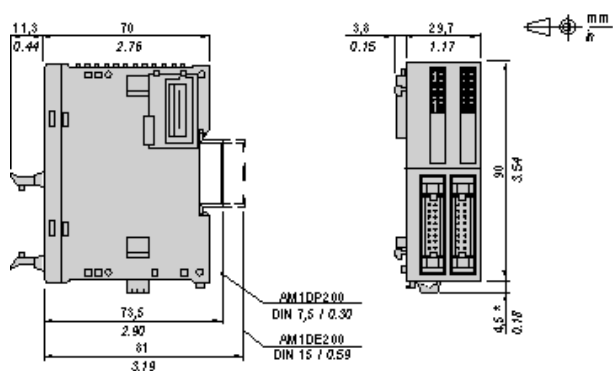|	
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.64 kg

Offer Sustainability

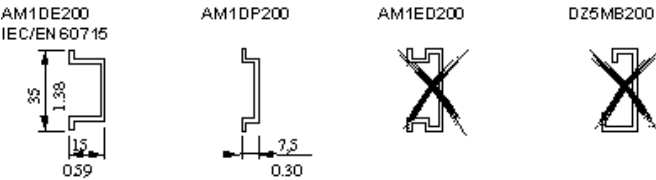|	
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following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

Contractual warranty

Warranty	18 months

TM2DDI32DK

Digital Input Module (32-channel, 24 Vdc)

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
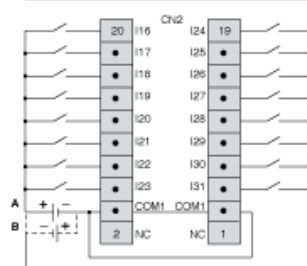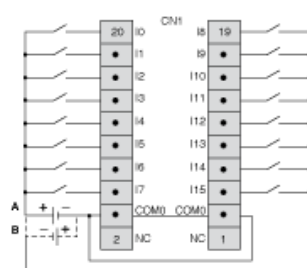
Module Mounting on a Panel Surface

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

9 / 0.35 mm / in.

Digital Input Module (32-channel, 24 Vdc)

Wiring Diagram

A   Sink wiring (positive logic)
B   Source wiring (negative logic)