# Product data sheet
## Characteristics

# TM2DDI16DK
discrete input module M238 - 16 inputs 24 V DC - 1 connector HE10

Green Premium™ Product

Product availability: Stock - Normally stocked in distribution facility

## Main

| | |
|---|---|
| Range of product | Modicon M238 logic controller |
| Product or component type | Discrete input module |
| Discrete input number | 16 |
| Discrete input voltage | 24 V |
| Discrete input voltage type | DC |

## Complementary

| | |
|---|---|
| Range compatibility | Advantys OTB<br>Twido |
| 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 | 1 |
| Response time | 4 ms at state 0<br>4 ms at state 1 |
| Isolation between channels | None |
| Isolation between channels and internal logic | 500 V for 1 minute |
| Current consumption | 35 mA 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 |
| Product weight | 0.22 lb(US) (0.1 kg) |

## Environment

| | |
|---|---|
| Depth | 3.2 in (81.3 mm) |
| Height | 3.54 in (90 mm) |
| Width | 0.84 in (21.4 mm) |

## Ordering and shipping details

| | |
|---|---|
| Category | 22531 - PLCS, TWIDO, TWD |
| Discount Schedule | PC12 |
| GTIN | 00785901590071 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.37 |
| Returnability | N |
| Country of origin | JP |

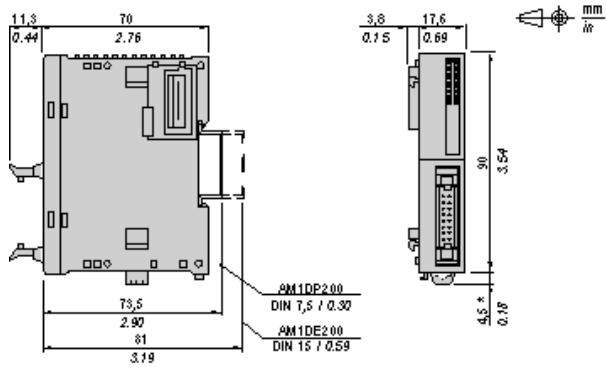## Offer Sustainability

| | |
|---|---|
| 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 |
| Product environmental profile | Available |
| Product end of life instructions | Available |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - - - Substance 1 | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - - - More information | For more information go to www.p65warnings.ca.gov |

## Contractual warranty

| | |
|---|---|
| Warranty period | 18 months |

Life Is On | Schneider Electric

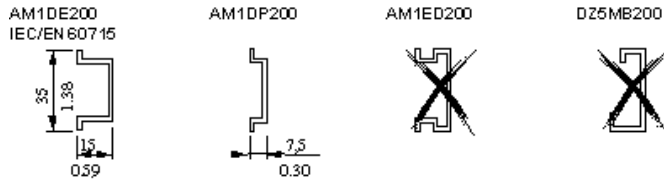## Digital Input Module (16-channel, 24 Vdc)

### Dimensions



NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.
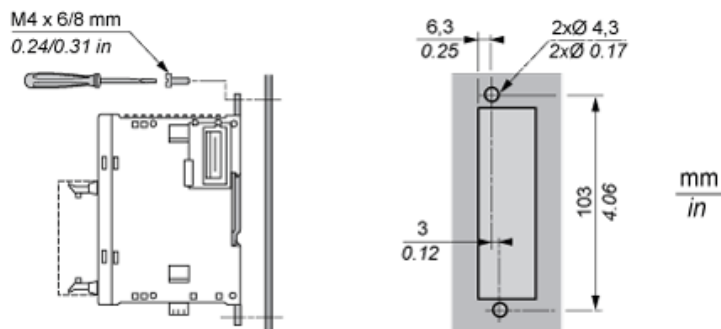
# TM2DDI16DK

## DIN Rail Mounting

AM1DE200
IEC/EN 60715

AM1DP200

AM1ED200

DZ5MB200

| 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
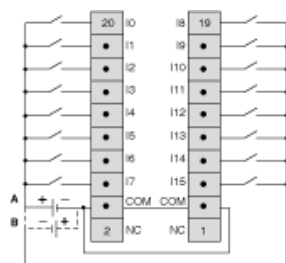
## Module Mounting on a Panel Surface

### Mounting Hole Layout

M4 x 6/8 mm
0.24/0.31 in

6,3
0.25

2x Ø 4,3
2x Ø 0.17

103
4.06

3
0.12

mm
in

## Wiring Requirements

### Cable Types and Wire Sizes for Removable Screw Terminal Block

| mm²/in. | 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 |
|---|---|---|---|---|---|---|---|---|
| 9 / 0.35 | AWG | 26...16 | 24...20 | 24...16 | 26...20 | 26...18 | 24...22 | 20 |

## Digital Input Module (16-channel, 24 Vdc)

### Wiring Diagram

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

# X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* I/O Modules *category:*

*Click to view products by* Schneider *manufacturer:*

Other Similar products are found below :

70L-IDC5S  70L-OAC-L  70Z3289-4  G21960000700  G21960002700  G34960002700  G88104401  OACU  C4SWOUT  PB16H  G34960001700  G3TA-OA101SZ-1 DC24  G77-S  G78-16-E  5607189  DA5  ODC-24A  IDC5P  FC6A-N16B1  6421  70MRCQ32-HL  G3TAOD201SDC24  C200H-LK201-V1  G3TA-OA202SZ-US DC12  GT1-OD16  GT1-AD04CST  B7AM-6BS  70GRCQ24-HS  6422  84110410  GT1-OD16MX  G7VC-OC16-B7  70MRCK24-DIN  6202  6402  PI/NI-2D/24  FC6A-J2C1  FC6A-KC1C  FC6A-R081  FC6A-J8CU1  GP32900003700  641-480-5022  PB16H  84145010  84110210  FRUSB1601  PCL-720+-BE  FRRJ451601  AP24MX3DB25F  ADAM-5053S-AE