



Price\* : 199.00 USD



### Main

|                           |  |
|---------------------------|--|
| Range of product          | Modicon TM3                                  |
| Product or component type | Discrete input module                        |
| Range compatibility       | Modicon M221<br>Modicon M241<br>Modicon M251 |
| Discrete input number     | 32 input conforming to IEC 61131-2 Type 1    |
| Discrete input logic      | Sink or source (positive/negative)           |
| Discrete input voltage    | 24 V   |
| Discrete input current    | 5 mA input                                   |

### Complementary

|                             |   |
|-----------------------------|---|
| Discrete I/O number         | 32  |
| Current consumption         | 5 mA at 5 V DC via bus connector at state off<br>0 mA at 24 V DC via bus connector at state on<br>0 mA at 24 V DC via bus connector at state off<br>65 mA at 5 V DC via bus connector at state on |
| Discrete input voltage type | DC  |
| Voltage state 1 guaranteed  | 15...28.8 V input   |
| Current state 1 guaranteed  | >= 2.5 mA input   |
| Voltage state 0 guaranteed  | 0...5 V input   |
| Current state 0 guaranteed  | <= 1 mA input   |
| Input impedance             | 4.4 kOhm  |
| Response time               | 4 ms turn-on<br>4 ms turn-off   |
| Local signalling            | Green input status  |
| Electrical connection       | HE-10 connector for inputs  |
| Cable length                | <= 98.43 ft (30 m) unshielded cable regular input   |
| Insulation                  | Non-insulated between inputs<br>500 V AC between input and internal logic   |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                  |   |
|------------------|---|
| Marking          | CE  |
| Mounting support | Top hat type TH35-15 rail conforming to IEC 60715<br>Top hat type TH35-7.5 rail conforming to IEC 60715<br>Plate or panel with fixing kit |
| Height           | 3.54 in (90 mm)   |
| Depth            | 3.2 in (81.3 mm)  |
| Width            | 1.32 in (33.5 mm)   |
| Product weight   | 0.22 lb(US) (0.1 kg)  |

## Environment

|   |   |
|---|---|
| Standards   | EN/IEC 61131-2<br>EN/IEC 61010-2-201  |
| Product certifications  | C-Tick<br>cULus   |
| Resistance to electrostatic discharge                                   | 4 kV (on contact) conforming to EN/IEC 61000-4-2<br>8 kV (in air) conforming to EN/IEC 61000-4-2  |
| Resistance to electromagnetic fields                                    | 9.14 V/yd (10 V/m) at 80 MHz...1 GHz conforming to EN/IEC 61000-4-3<br>2.74 V/yd (3 V/m) at 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3<br>0.91 V/yd (1 V/m) at 2 GHz...3 GHz conforming to EN/IEC 61000-4-3   |
| Resistance to magnetic fields   | 9.14 A/ft (30 A/m) at 50...60 Hz conforming to EN/IEC 61000-4-8   |
| Resistance to fast transients   | 1 kV I/O conforming to EN/IEC 61000-4-4   |
| Surge withstand   | 1 kV I/O (DC) in common mode conforming to EN/IEC 61000-4-5   |
| Resistance to conducted disturbances, induced by radio frequency fields | 10 Vrmsat 0.15...80 MHz conforming to EN/IEC 61000-4-6<br>3 Vrmsat spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) conforming to Marine specification (LR, ABS, DNV, GL)   |
| Electromagnetic emission  | Radiated emissions, test level: 40 dB $\mu$ V/m QP with class A, condition of test: 10 m (radio frequency: 30...230 MHz) conforming to EN/IEC 55011<br>Radiated emissions, test level: 47 dB $\mu$ V/m QP with class A, condition of test: 10 m (radio frequency: 230 MHz...1 GHz) conforming to EN/IEC 55011 |
| Ambient air temperature for operation                                   | 14...131 °F (-10...55 °C) horizontal installation<br>-10...35 °C vertical installation  |
| Ambient air temperature for storage                                     | -13...158 °F (-25...70 °C)  |
| Relative humidity   | 10...95 % without condensation in operation<br>10...95 % without condensation in storage  |
| IP degree of protection   | IP20 with protective cover in place   |
| Pollution degree  | 2   |
| Operating altitude  | 0...6561.68 ft (0...2000 m)   |
| Storage altitude  | 0...9842.52 ft (0...3000 m)   |
| Vibration resistance  | 3.5 mm (vibration frequency: 5...8.4 Hz) on DIN rail<br>3 gn (vibration frequency: 8.4...150 Hz) on DIN rail<br>3.5 mm (vibration frequency: 5...8.4 Hz) on panel<br>3 gn (vibration frequency: 8.4...150 Hz) on panel  |
| Shock resistance  | 15 gn (test wave duration:11 ms)  |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 22533 - M2XX PLC & ACCESSORIES |
| Discount Schedule     | MSX                            |
| GTIN                  | 00785901349082                 |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 0.47999999999999998            |
| Returnability         | Y                              |
| Country of origin     | TW                             |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 1348 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |

|                                  |  |
|----------------------------------|--|
| REACH                            | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |
| Product environmental profile    | Available  |
| Product end of life instructions | Available  |