

Price* : 199.00 USD



Main

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|---------------------------|-----------------------------------------------|
| Range of product | Modicon TM3 |
| Product or component type | Discrete I/O module |
| Range compatibility | Modicon M221 Modicon M241 Modicon M251 |
| Discrete input number | 16 input conforming to IEC 61131-2 Type 1 |
| Discrete input logic | Sink or source (positive/negative) |
| Discrete input voltage | 24 V |
| Discrete input current | 7 mA input |
| Discrete output type | Relay normally open |
| Discrete output number | 8 |
| Discrete output logic | Positive or negative |
| Discrete output voltage | 24 V DC relay output 240 V AC relay output |
| Discrete output current | 2000 mA relay output |

Complementary

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| Discrete I/O number | 24 |
| Current consumption | 5 mA at 5 V DC via bus connector at state off 0 mA at 24 V DC via bus connector at state on 0 mA at 24 V DC via bus connector at state off 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 | 3.4 kOhm |
| Response time | 4 ms turn-on |

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| | 4 ms turn-off |
| Current per output common | 7 A |
| Mechanical durability | 20000000 cycles |
| Minimum load | 10 mA at 5 V DC relay output |
| Local signalling | Green I/O state |
| Electrical connection | Removable screw terminal block pitch 3.81 mm with 17 terminal(s) of 1.5 mm ² connection capacity for inputs Removable screw terminal block pitch 3.81 mm with 11 terminal(s) of 1.5 mm ² connection capacity for outputs |
| Cable length | <= 98.43 ft (30 m) unshielded cable regular input |
| Insulation | Non-insulated between inputs 500 V AC between output and internal logic Non-insulated between outputs 500 V AC between input and internal logic 1500 V AC between input groups and output groups 750 V AC between open contact |
| Marking | CE |
| Mounting support | Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 Plate or panel with fixing kit |
| Height | 3.54 in (90 mm) |
| Depth | 3.33 in (84.6 mm) |
| Width | 1.69 in (42.9 mm) |

Environment

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|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards | EN/IEC 61131-2 EN/IEC 61010-2-201 |
| Product certifications | C-Tick cULus |
| Resistance to electrostatic discharge | 4 kV (on contact) conforming to EN/IEC 61000-4-2 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 2.74 V/yd (3 V/m) at 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3 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 | 2 kV relay output conforming to EN/IEC 61000-4-4 1 kV I/O conforming to EN/IEC 61000-4-4 |
| Surge withstand | 1 kV input in common mode conforming to EN/IEC 61000-4-5 2 kV output 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 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 dBμV/m QP with class A, condition of test: 10 m (radio frequency: 30...230 MHz) conforming to EN/IEC 55011 Radiated emissions, test level: 47 dBμV/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 -10...35 °C vertical installation |
| Ambient air temperature for storage | -13...158 °F (-25...70 °C) |
| Relative humidity | 10...95 % without condensation in operation 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 3 gn (vibration frequency: 8.4...150 Hz) on DIN rail 3.5 mm (vibration frequency: 5...8.4 Hz) on panel 3 gn (vibration frequency: 8.4...150 Hz) on panel |
| Shock resistance | 15 gn (test wave duration: 11 ms) |

Ordering and shipping details

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| Category | 22533 - M2XX PLC & ACCESSORIES |
| Discount Schedule | MSX |
| GTIN | 00785901349099 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.5899999999999997 |
| Returnability | Y |
| Country of origin | TW |

Offer Sustainability

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|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1348 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |