Product datasheet





discrete output module, Modicon TM5, 4 DO, 24V DC, 0.5A, 3 wires

TM5SDO4T

Main

| Range Of Product | Modicon TM5 | |
|------------------------------|------------------------|--|
| But do at On On one and Town | | |
| Product Or Component Type | Discrete output module | |
| Discrete Output Number | 4 | |
| | | |
| Discrete Output Type | Transistor | |

Complementary

| Complementary | | | | | |
|--------------------------------------|---|--|--|--|--|
| Range Compatibility | Modicon LMC058 PacDrive LMC motion controller Modicon M258 | | | | |
| Product Compatibility | PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco Logic controller Motion controller | | | | |
| Output Voltage | 24 V DC | | | | |
| Output Voltage Limits | 20.428.8 V | | | | |
| Discrete Output Logic Source | | | | | |
| Current Per Channel | 0.5 A | | | | |
| Maximum Current Per Output Common | 2 A | | | | |
| Colour | White | | | | |
| Peak Output Current | 12 A | | | | |
| Switching Frequency | <= 500 Hz resistive load | | | | |
| Response Time | <= 300 µs from state 0 to state 1 for output <= 300 µs from state 1 to state 0 for output | | | | |
| Maximum Leakage Current | 5 μA when switched off | | | | |
| Protection Type | Reverse polarity protection Short-circuit protection Overload protection | | | | |
| Isolation | 500 Vrms AC insulation between channel and bus No insulation between channels | | | | |
| Maximum Voltage Drop | <0.3 V at 500 mA for output <2 V at 500 mA for sensor supply | | | | |
| Maximum Supply Current For Sensors | 500 mA | | | | |
| Current Consumption | 20 mA at 24 V DC input/output 32 mA at 5 V DC bus | | | | |
| Maximum Power Dissipation In W | 0.86 W | | | | |

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| Local Signalling | 1 LED green for power supply 1 LED red for power supply 4 LEDs yellow for output status | |
|-----------------------|---|--|
| Electrical Connection | 3 wires | |
| Marking | CE | |
| Net Weight 0.025 kg | | |

Environment

| Environment | | | | | |
|--|---|--|--|--|--|
| Standards | IEC 61131-2 CSA C22.2 No 213 UL 508 CSA C22.2 No 142 | | | | |
| Product Certifications | CSA GOST-R cULus C-Tick | | | | |
| Ambient Air Temperature For Operation | -1055 °C without derating (horizontal installation) -1060 °C with derating factor (horizontal installation) -1050 °C (vertical installation) | | | | |
| Ambient Air Temperature For Storage | -4070 °C | | | | |
| Relative Humidity 595 % without condensation | | | | | |
| Ip Degree Of Protection | IP20 conforming to IEC 61131-2 | | | | |
| Pollution Degree | 2 conforming to IEC 60664 | | | | |
| Operating Altitude | 02000 m | | | | |
| Storage Altitude | 03000 m | | | | |
| Vibration Resistance | 1 gn at 8.4150 Hz on DIN rail 3.5 mm at 58.4 Hz on DIN rail | | | | |
| Shock Resistance | 15 gn for 11 ms | | | | |
| Electromagnetic Compatibility | Electrostatic discharge immunity test, 4 kV on contact conforming to IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields, 1 V/m 22.7 GHz conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 802000 MHz conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Conducted and radiated emissions conforming to CISPR 11 | | | | |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.000 cm |
| Package 1 Width | 6.000 cm |
| Package 1 Length | 10.500 cm |
| Package 1 Weight | 38.000 g |
| Unit Type Of Package 2 | S02 |

| Number Of Units In Package 2 | 97 |
|------------------------------|-----------|
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 4.017 kg |

Contractual warranty

Warranty 18 months



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

| ② | Mercury Free | |
|----------|----------------------------|-----|
| | Rohs Exemption Information | Yes |
| | Pvc Free | |

Certifications & Standards

| Circularity Profile | End of Life Information | | |
|---------------------------------|---|--|--|
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | | |
| Environmental Disclosure | Product Environmental Profile | | |
| China Rohs Regulation | China RoHS declaration | | |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) | | |
| Reach Regulation | REACh Declaration | | |

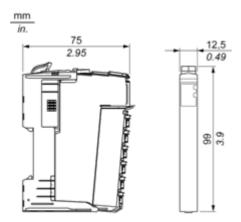
Product datasheet

TM5SDO4T

Dimensions Drawings

TM5 Slice

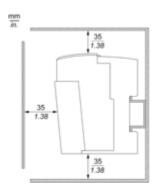
Dimensions

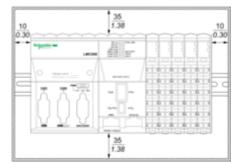


Mounting and Clearance

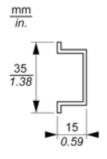
TM5 System

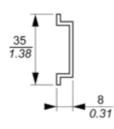
Spacing Requirements

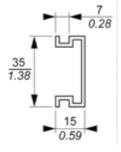




Mounting on a DIN Rail







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Connections and Schema

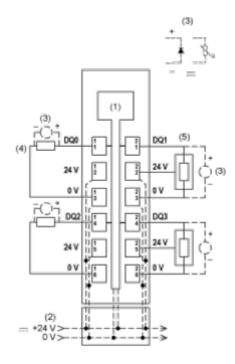
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

| mm in. | 0.35 | | 2 | | |
|-----------|------|---------|---------|---------|------------------|
| | mm² | 0,082,5 | 0,252,5 | 0,251,5 | 2 x 0,252 x 0,75 |
| | AWG | 2814 | 2414 | 2416 | 2 x 242 x 18 |

Electronic Module 4DO 24 Vdc Tr 0.5 A 3 Wires

Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) Inductive load protection
- (4) 2-wire load
- (5) 3-wire load