

Product data sheet

Specifications



Discrete I/O module, Modicon TM5, Digital input/output 4DI/4DO 24 V dcTime stamp 1 wire

TM5SDM8DTS

Product availability : Stock - Normally stocked in distribution facility

Price* : 450.00 USD

Main

| | |
|---------------------------|---------------------|
| Range of Product | Modicon TM5 |
| Product or Component Type | Discrete I/O module |
| Discrete input number | 4 |
| Discrete input voltage | 24 V |
| Discrete output number | 4 |
| Discrete output type | Transistor |

Complementary

| | |
|-----------------------------------|--|
| Range Compatibility | PacDrive LMC motion controller |
| Product Compatibility | PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco |
| Discrete input voltage type | DC |
| Input voltage limits | 20.4...28.8 V |
| Discrete input logic | Sink |
| Discrete input current | 1.3 mA |
| Input impedance | 18.4 kOhm |
| Output voltage | 24 V DC |
| Output voltage limits | 20.4...28.8 V |
| Discrete output logic | Source |
| Current per channel | 0.1 A |
| Maximum current per output common | 0.4 A |
| Color | White |
| Peak output current | 0.4 A |
| Switching frequency | <= 16 kHz resistive |
| Input filtering | >= 2 µs hardware |
| Response time | <= 2 µs from state 0 to state 1 output <= 2 µs from state 1 to state 0 output |
| Maximum leakage current | 25 µA when switched off |

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|--|
| Protection Type | Overload protection Short-circuit protection Inductive overvoltage |
| Isolation | No insulation between channels 500 Vrms AC insulation between channel and bus |
| Maximum voltage drop | <0.9 V at 0.1 A output |
| Maximum supply current for sensors | 600 mA |
| Current consumption | 2 mA 5 V DC bus 62.5 mA 24 V DC input/output |
| Maximum power dissipation in W | 1.51 W |
| Local signalling | 1 LED green power supply 1 LED red power supply 8 LEDs input/output status |
| Electrical connection | 1 wire |
| Net Weight | 0.06 lb(US) (0.025 kg) |

Environment

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|--|---|
| Standards | UL 508 CSA C22.2 No 142 EN/IEC 61131-2 |
| Product Certifications | EAC cULus CE C-tick |
| Ambient air temperature for operation | 14...140 °F (-10...60 °C) with derating factor horizontal installation) 14...122 °F (-10...50 °C) with derating factor vertical installation) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Relative Humidity | 5...95 % without condensation |
| IP degree of protection | IP20EN/IEC 60529 |
| Pollution degree | 2 EN/IEC 61131-2 |
| Operating altitude | 0...6561.68 ft (0...2000 m) |
| Storage altitude | 0.00...9842.52 ft (0...3000 m) |
| Vibration resistance | 1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail |
| Shock resistance | 15 gn 11 ms |
| Electromagnetic compatibility | Electrostatic discharge immunity test, 4 kV on contact EN/IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz EN/IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode EN/IEC 61000-4-5 Conducted RF disturbances EN/IEC 61000-4-6 Conducted and radiated emissions CISPR 11 |

Ordering and shipping details

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|--------------------------|----------------|
| Category | 22532-M258 PLC |
| Discount Schedule | PC12 |
| GTIN | 3606480908316 |
| Returnability | No |
| Country of origin | AT |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 0.79 in (2.0 cm) |
| Package 1 Width | 2.36 in (6.0 cm) |
| Package 1 Length | 4.33 in (11.0 cm) |
| Package 1 Weight | 1.38 oz (39.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 42 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 3.61 lb(US) (1.638 kg) |

Recommended replacement(s)