

# Product data sheet

Specifications



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

TM5SDM8DTS

**Product availability: Non-Stock - Not 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 $\mu$ s hardware
Response Time	<= 2 $\mu$ s from state 0 to state 1 output <= 2 $\mu$ s from state 1 to state 0 output
Maximum Leakage Current	25 $\mu$ A when switched off
Protection Type	Overload protection Short-circuit protection Inductive overvoltage

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

<b>Isolation</b>	No insulation between channels 500 Vrms AC insulation between channel and bus
<b>Maximum Voltage Drop</b>	<0.9 V at 0.1 A output
<b>Maximum Supply Current For Sensors</b>	600 mA
<b>Current Consumption</b>	2 mA 5 V DC bus 62.5 mA 24 V DC input/output
<b>Maximum Power Dissipation In W</b>	1.51 W
<b>Local Signalling</b>	1 LED green power supply 1 LED red power supply 8 LEDs input/output status
<b>Electrical Connection</b>	1 wire
<b>Net Weight</b>	0.06 lb(US) (0.025 kg)

## Environment

<b>Standards</b>	UL 508 CSA C22.2 No 142 IEC 61131-2
<b>Product Certifications</b>	EAC cULus CE C-tick
<b>Ambient Air Temperature For Operation</b>	14...140 °F (-10...60 °C) with derating factor horizontal installation) 14...122 °F (-10...50 °C) with derating factor vertical installation)
<b>Ambient Air Temperature For Storage</b>	-40...158 °F (-40...70 °C)
<b>Relative Humidity</b>	5...95 % without condensation
<b>Ip Degree Of Protection</b>	IP20IEC 60529
<b>Pollution Degree</b>	2 IEC 61131-2
<b>Operating Altitude</b>	0...6561.68 ft (0...2000 m)
<b>Storage Altitude</b>	0.00...9842.52 ft (0...3000 m)
<b>Vibration Resistance</b>	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
<b>Shock Resistance</b>	15 gn 11 ms
<b>Electromagnetic Compatibility</b>	Electrostatic discharge immunity test, 4 kV on contact IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air IEC 61000-4-2 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode IEC 61000-4-5 Conducted RF disturbances IEC 61000-4-6 Conducted and radiated emissions CISPR 11

## Ordering and shipping details

<b>Category</b>	US1PC1222532
<b>Discount Schedule</b>	PC12
<b>Gtin</b>	3606480908316
<b>Returnability</b>	No
<b>Country Of Origin</b>	AT

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.36 in (6.000 cm)
<b>Package 1 Width</b>	0.79 in (2.000 cm)
<b>Package 1 Length</b>	4.33 in (11.000 cm)
<b>Package 1 Weight</b>	1.41 oz (40.000 g)
<b>Unit Type Of Package 2</b>	S01
<b>Number Of Units In Package 2</b>	42
<b>Package 2 Height</b>	5.91 in (15.000 cm)
<b>Package 2 Width</b>	5.91 in (15.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	4.07 lb(US) (1.844 kg)