Product data sheet

Specification





discrete output module, Modicon TM5, 6 DO, 24V DC, 0.5A, 2 wires

TM5SDO6T

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 160.00 USD

Main

Range Of Product	Modicon TM5	
Product Or Component Type	Discrete output module	
Discrete Output Number	6	
Discrete Output Type	Transistor	

Complementary

Range Compatibility	PacDrive LMC motion controller Modicon LMC058 Modicon M258				
Product Compatibility	Logic controller PacDrive LMC Pro PacDrive LMC Pro 2 PacDrive LMC Eco 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	3 A				
Color	White				
Peak Output Current	12 A				
Switching Frequency	<= 500 Hz resistive				
Response Time	<= 300 μs from state 0 to state 1 output <= 300 μs from state 1 to state 0 output				
Maximum Leakage Current	5 μA when switched off				
Protection Type	Short-circuit protection Overload protection Reverse polarity protection				
Isolation	500 Vrms AC insulation between channel and bus No insulation between channels				
Maximum Voltage Drop	<0.3 V at 500 mA output <2 V at 500 mA sensor supply				
Maximum Supply Current For Sensors	500 mA				
Current Consumption	36 mA 5 V DC bus 30 mA 24 V DC input/output				
Maximum Power Dissipation In W	1.2 W				

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

Local Signalling	1 LED green power supply 1 LED red power supply 6 LEDs yellow output status	
Electrical Connection	2 wires	
Marking	CE	
Net Weight	0.06 lb(US) (0.025 kg)	

Environment

Environment					
Standards	UL 508 CSA C22.2 No 213 IEC 61131-2 CSA C22.2 No 142 CULus CSA C-tick GOST-R				
Product Certifications					
Ambient Air Temperature For Operation	14131 °F (-1055 °C) without derating horizontal installation) 14140 °F (-1060 °C) with derating factor horizontal installation) 14122 °F (-1050 °C) vertical installation)				
Ambient Air Temperature For Storage					
Relative Humidity	595 % without condensation				
p Degree Of Protection IP20IEC 61131-2					
Pollution Degree 2 IEC 60664					
Operating Altitude 06561.68 ft (02000 m)					
Storage Altitude 0.009842.52 ft (03000 m)					
Vibration Resistance	1 gn 8.4150 Hz DIN rail 3.5 mm 58.4 Hz DIN rail				
Shock Resistance	15 gn 11 ms				
Electromagnetic Compatibility	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, 1 V/m 22.7 GHz IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 802000 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

Category	US1PC1222532	
Discount Schedule	PC12	
Gtin	3595864074641	
Returnability	No	
Country Of Origin	AT	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.79 in (2.000 cm)
Package 1 Width	2.36 in (6.000 cm)

Package 1 Length	4.17 in (10.600 cm)	
Package 1 Weight	1.34 oz (38.000 g)	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	97	
Package 2 Height	5.91 in (15.000 cm)	
Package 2 Width	11.81 in (30.000 cm)	
Package 2 Length	15.75 in (40.000 cm)	
Package 2 Weight	8.77 lb(US) (3.980 kg)	

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc
⊘	Toxic Heavy Metal Free
⊘	Mercury Free
⊘	Rohs Exemption Information Yes
⊘	Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.			
Circularity Profile	End of Life Information			
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov			

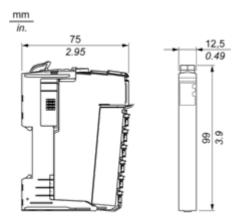
Product data sheet

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Dimensions Drawings

TM5 Slice

Dimensions

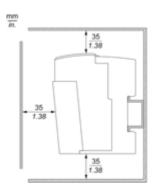


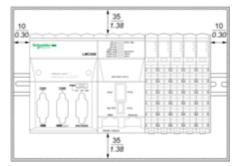
TM5SDO6T

Mounting and Clearance

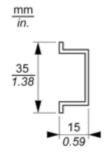
TM5 System

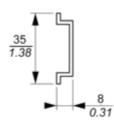
Spacing Requirements

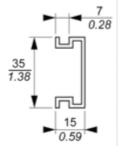




Mounting on a DIN Rail







Product data sheet

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Connections and Schema

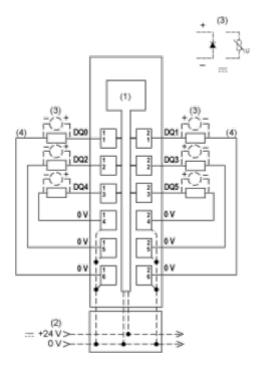
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	0.35		Ξ.		8
	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 6DO 24 Vdc Tr 0.5 A 2 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