



discrete output module, Modicon TM3, 8 outputs transistor PNP, screw

TM3DQ8T

Main

Range Of Product	Modicon TM3	
Product Or Component Type	Discrete output module	
Range Compatibility	Modicon M241	
	Modicon M251	
	Modicon M221	
	Modicon M262	
Discrete Output Type	Transistor	
Discrete Output Number	8	
Discrete Output Logic	Positive logic (source)	
Discrete Output Voltage	24 V DC for transistor output	
Discrete Output Current	500 mA for transistor output	

Complementary

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Discrete I/O Number	8	
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 off) 20 mA at 24 V DC via bus connector (at state on) 10 mA at 5 V DC via bus connector (at state on)	
Response Time	450 μs (turn-on) 450 μs (turn-off)	
Maximum Leakage Current 0.1 mA for transistor output		
Maximum Voltage Drop	<0.4 V	
Maximum Tungsten Load <3 W for transistor output		
Local Signalling	1 LED per channel (green) for output status	
Electrical Connection	11 x 2.5 mm² removable screw terminal block with pitch 5.08 mm adjustment for outputs	
Maximum Cable Distance Between Devices	Unshielded cable: <30 m for transistor output	
Insulation	Between output and internal logic at 500 V AC Non-insulated between outputs	
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	90 mm	
Depth	84.6 mm	
Width	27.4 mm	

Net Weight 0.76 kg

Environment

Standards	IEC 61131-2
Product Certifications	CE
	cULus
	UKCA
	RCM
	EAC
	cULus HazLoc
Resistance To Electrostatic	8 kV in air conforming to IEC 61000-4-2
Discharge	4 kV on contact conforming to IEC 61000-4-2
Resistance To Electromagnetic	10 V/m 80 MHz1 GHz conforming to IEC 61000-4-3
Fields	3 V/m 1.4 GHz2 GHz conforming to IEC 61000-4-3
	1 V/m 2 GHz3 GHz conforming to IEC 61000-4-3
Resistance To Magnetic Fields	30 A/m 50/60 Hz conforming to IEC 61000-4-8
Resistance To Fast Transients 1 kV for I/O conforming to IEC 61000-4-4	
Surge Withstand	1 kV I/O common mode conforming to IEC 61000-4-5 DC
Resistance To Conducted	10 V 0.1580 MHz conforming to IEC 61000-4-6
Disturbances	3 V 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 class A (10 m) at 30230 MHz
-	conforming to IEC 55011
	Radiated emissions - test level: 47 dBµV/m QP class A (10 m) at 2301000 MHz
	conforming to IEC 55011
Ambient Air Temperature For	-1035 °C vertical installation
Operation	-1055 °C horizontal installation
Ambient Air Temperature For	-2570 °C
Storage Balativa Humiditu	40. OF Marithant and another the proof on
Relative Humidity	1095 %, without condensation (in operation)
	1095 %, without condensation (in storage)
p Degree Of Protection	IP20 with protective cover in place
Pollution Degree	2
Operating Altitude	02000 m
Storage Altitude	03000 m
Vibration Resistance	3.5 mm at 58.4 Hz on DIN rail
	3 gn at 8.4150 Hz on DIN rail
	3.5 mm at 58.4 Hz on panel
	3 gn at 8.4150 Hz on panel
Shock Resistance	15 gn for 11 ms

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.601 cm
Package 1 Width	10.536 cm
Package 1 Length	12.965 cm
Package 1 Weight	210.0 g
Unit Type Of Package 2	CAR
Number Of Units In Package 2	42
Package 2 Height	30.0 cm

Package 2 Width	39.3 cm
Package 2 Length	56.3 cm
Package 2 Weight	10.15 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	504
Package 3 Height	105 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	133 kg

Sustainability

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

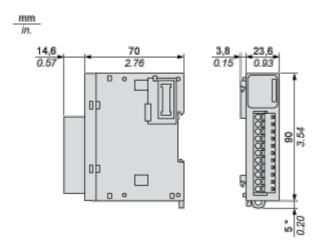
⊘	Toxic Heavy Metal Free	
Ø	Mercury Free	
②	Rohs Exemption Information	Yes
Ø	Pvc Free	

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

Dimensions Drawings

Dimensions

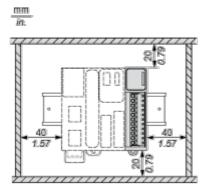


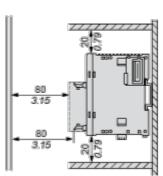
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

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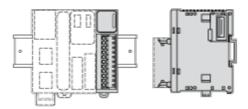
Mounting and Clearance

Spacing Requirements

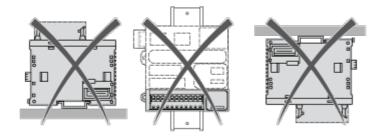




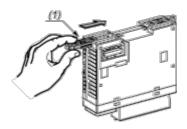
Mounting on a Rail



Incorrect Mounting

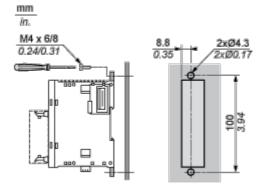


Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout



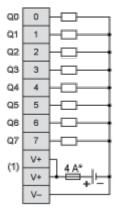
Product data sheet

TM3DQ8T

Connections and Schema

Digital Transistor Output Module (8-channel, Source)

Wiring Diagram



- (*) Type T fuse
- (1) The V+ terminals are connected internally.