Product data sheet

Specification





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

TM3DQ8T

Product availability: Stock - Normally stocked in distribution facility

Price*: 120.00 USD

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 transistor output
Discrete Output Current	500 mA transistor output

Complementary

20mpiementary	
Discrete I/O Number	8
Current Consumption	5 mA 5 V DC via bus connector at state off) 0 mA 24 V DC via bus connector at state off) 20 mA 24 V DC via bus connector at state on) 10 mA 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 transistor output
Maximum Voltage Drop	<0.4 V
Maximum Tungsten Load	<3 W transistor output
Local Signalling	for output status 1 LED per channel (green)
Electrical Connection	11 x 2.5 mm² removable screw terminal block pitch 5.08 mm for outputs
Maximum Cable Distance Between Devices	Unshielded cable <98.43 ft (30 m) transistor output
Insulation	Between output and internal logic 500 V AC Non-insulated between outputs
Marking	CE
Mounting Support	Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail IEC 60715 plate or panel with fixing kit
Height	3.54 in (90 mm)
	3.33 in (84.6 mm)

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

Width	1.08 in (27.4 mm)
Net Weight	1.68 lb(US) (0.76 kg)

Environment

Product Certifications Resistance To Electrostatic Discharge	CE cULus UKCA RCM EAC cULus HazLoc
Discharge	UKCA RCM EAC cULus HazLoc
Discharge	RCM EAC cULus HazLoc
Discharge	EAC cULus HazLoc
Discharge	EAC cULus HazLoc
Discharge	cULus HazLoc
Discharge	8 kV in air IEC 61000-4-2
	4 kV on contact IEC 61000-4-2
Resistance To Electromagnetic	9.14 V/m (10 V/m) 80 MHz1 GHz IEC 61000-4-3
Fields	2.74 V/m (3 V/m) 1.4 GHz2 GHz IEC 61000-4-3
	0.91 V/m (1 V/m) 2 GHz3 GHz IEC 61000-4-3
Resistance To Magnetic Fields	98.43 A/m (30 A/m) 50/60 Hz IEC 61000-4-8
Resistance To Fast Transients	1 kV I/OIEC 61000-4-4
Surge Withstand	1 kV I/O common mode IEC 61000-4-5 DC
Resistance To Conducted	10 V 0.1580 MHz 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) Marine
	specification (LR, ABS, DNV, GL)
Electromagnetic Emission	Radiated emissions 40 dBµV/m QP class A 10 m)30230 MHz IEC 55011
	Radiated emissions 47 dB μ V/m QP class A 10 m)2301000 MHz IEC 55011
Ambient Air Temperature For	1495 °F (-1035 °C) vertical installation
Operation	14131 °F (-1055 °C) horizontal installation
Ambient Air Temperature For Storage	-13158 °F (-2570 °C)
Relative Humidity	1095 %, without condensation in operation)
	1095 %, without condensation in storage)
Ip Degree Of Protection	IP20 with protective cover in place
Pollution Degree	2
Operating Altitude	06561.68 ft (02000 m)
Storage Altitude	0.009842.52 ft (03000 m)
Vibration Resistance	3.5 mm 58.4 Hz DIN rail
	3 gn 8.4150 Hz DIN rail
	3.5 mm 58.4 Hz panel
	·
	3 gn 8.4150 Hz panel

Ordering and shipping details

Category	US10MSX22533
Discount Schedule	OMSX
Gtin	3606480611469
Returnability	Yes
Country Of Origin	TW

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	2.99 in (7.601 cm)
Package 1 Width	4.15 in (10.536 cm)
Package 1 Length	5.10 in (12.965 cm)
Package 1 Weight	7.41 oz (210.0 g)
Unit Type Of Package 2	CAR
Number Of Units In Package 2	42
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.47 in (39.3 cm)
Package 2 Length	22.17 in (56.3 cm)
Package 2 Weight	22.38 lb(US) (10.15 kg)
Unit Type Of Package 3	P12
Number Of Units In Package 3	504
Package 3 Height	41.34 in (105 cm)
Package 3 Width	47.24 in (120 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	293.22 lb(US) (133 kg)

Sustainability Screen 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

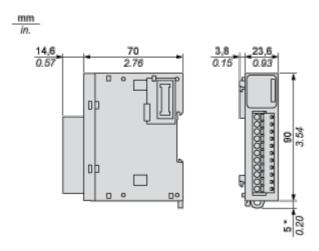
②	Toxic Heavy Metal Free
Ø	Mercury Free
Ø	Rohs Exemption Information Yes
Ø	Pvc Free

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

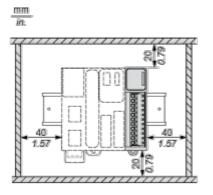


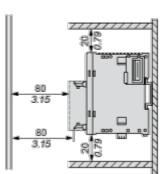
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

TM3DQ8T

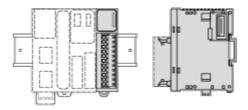
Mounting and Clearance

Spacing Requirements

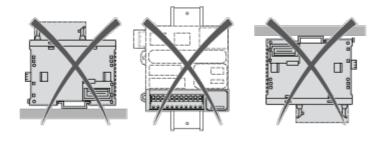




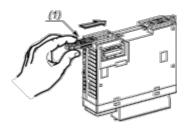
Mounting on a Rail



Incorrect Mounting

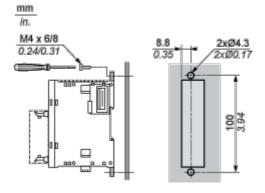


Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout



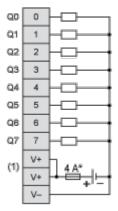
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Connections and Schema

Digital Transistor Output Module (8-channel, Source)

Wiring Diagram



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