

# Product data sheet

Specifications



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

TM3DQ8U

Product availability: Non-Stock - Not 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	Negative logic (sink)
Discrete Output Voltage	24 V DC transistor output
Discrete Output Current	50 mA transistor output

## Complementary

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
Local Signalling	for output status 1 LED per channel (green)
Electrical Connection	11 x 2.5 mm <sup>2</sup> 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)
Depth	3.33 in (84.6 mm)
Width	1.08 in (27.4 mm)

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net Weight	1.68 lb(US) (0.76 kg)
------------	-----------------------

## Environment

Standards	IEC 61131-2
Product Certifications	CE cULus UKCA RCM EAC cULus HazLoc
Resistance To Electrostatic Discharge	8 kV in air IEC 61000-4-2 4 kV on contact IEC 61000-4-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80 MHz...1 GHz IEC 61000-4-3 2.74 V/m (3 V/m) 1.4 GHz...2 GHz IEC 61000-4-3 0.91 V/m (1 V/m) 2 GHz...3 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 Disturbances	10 V 0.15...80 MHz IEC 61000-4-6 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)30...230 MHz IEC 55011 Radiated emissions 47 dBµV/m QP class A 10 m)230...1000 MHz IEC 55011
Ambient Air Temperature For Operation	14...95 °F (-10...35 °C) vertical installation 14...131 °F (-10...55 °C) horizontal installation
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 %, without condensation in operation) 10...95 %, without condensation in storage)
Ip Degree Of Protection	IP20 with protective cover in place
Pollution Degree	2
Operating Altitude	0...6561.68 ft (0...2000 m)
Storage Altitude	0.00...9842.52 ft (0...3000 m)
Vibration Resistance	3.5 mm 5...8.4 Hz DIN rail 3 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz panel 3 gn 8.4...150 Hz panel
Shock Resistance	15 gn 11 ms

## Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
Gtin	3606480611568
Returnability	No
Country Of Origin	US

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.95 in (7.5 cm)

Package 1 Width	4.92 in (12.5 cm)
Package 1 Length	4.13 in (10.5 cm)
Package 1 Weight	8.11 oz (230.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	9
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	5.35 lb(US) (2.427 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	144
Package 3 Height	29.53 in (75 cm)
Package 3 Width	15.75 in (40 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	55.24 lb(US) (25.058 kg)

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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

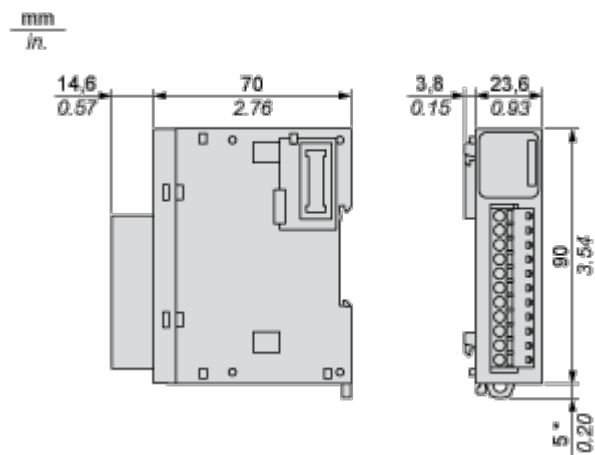
✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Pvc Free	

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

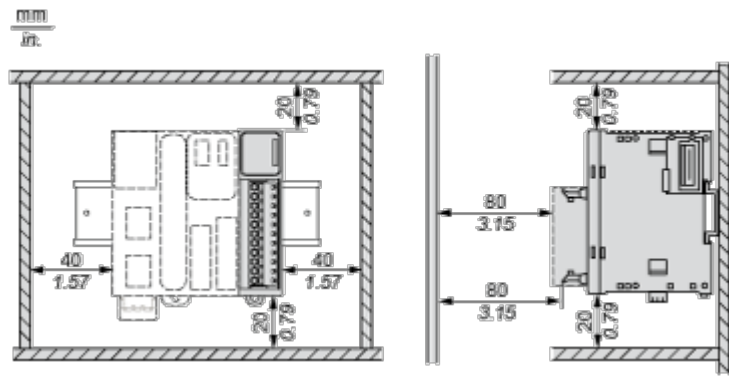
Dimensions



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

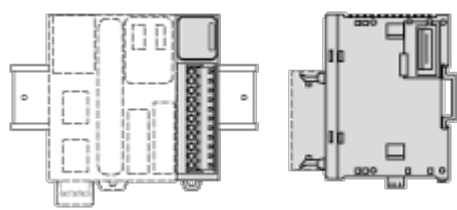
Mounting and Clearance

Spacing Requirements

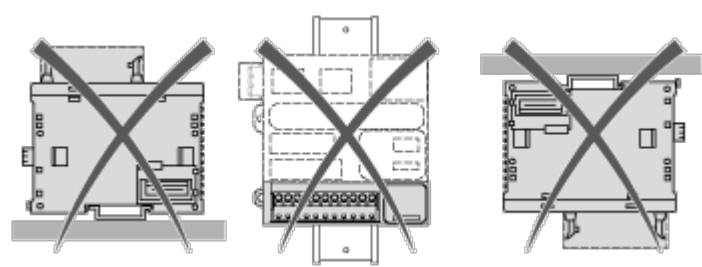


Mounting on a Rail

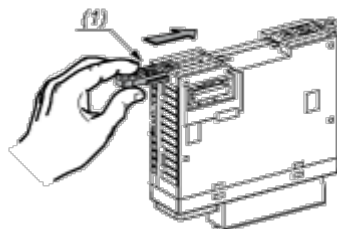
---



Incorrect Mounting

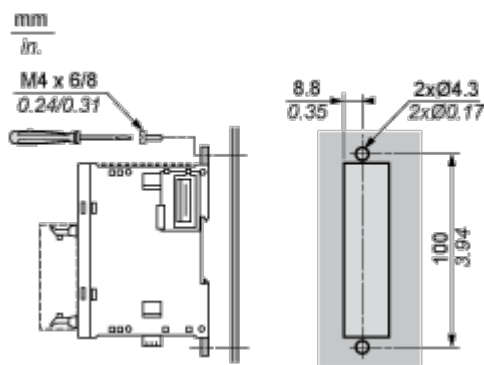


Mounting on a Panel Surface



- (1) Install a mounting strip

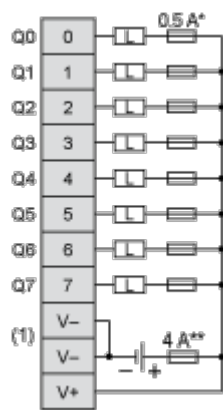
Mounting Hole Layout



Connections and Schema

Digital Transistor Output Module (8-channel, Sink)

Wiring Diagram



- (\*) Type T Fuse
- (\*\*) Type F fuse
- (1) The V- terminals are connected internally.